

HITACHI

YK

No.034E

SERVICE MANUAL

42PD9800TA(FW1)



The PDP panel made from FHP is used for this product.

Caution

Be sure to read this manual before servicing. To assure safety from fire, electric shock, injury, harmful radiation and materials, various measures are provided in this HITACHI display.

Be sure to read cautionary items described in the manual to maintain safety before servicing.

Service Warning

1. Since Panel Module and front Filter are made of glass, handling the broken Module and Filter shall be taken care sufficiently in order not to be injured.
2. Replacing work shall be started after the Panel Module and the AC/DC Power supply become sufficiently cool.
3. Special care shall be taken to the display area in order not to damage its surface.
4. The Panel Module shall not be touched with bare hand to protect its surface from stains.
5. It is recommended to use clean soft gloves during the replacing work in order to protect not only the display area of the Panel Module but also a serviceman himself.
6. The Chip Tube of Panel Module (located upper left of the back and surrounded by frame) and flexible cables connecting Panel glasses to drive circuit PWBs are very weak, so shall be taken care sufficiently not to break. If you break Chip Tube, the Panel doesn't display anything forever.

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SPECIFICATIONS AND PARTS ARE SUBJECT TO CHANGE FOR IMPROVEMENT.

Plasma Display



September 2006

CAUTION FOR SAFETY





Please read this page before repair the monitor.








This page explains to following items for keep the safety of set and prevent to accident during repair work.

- We explain by symbol at happen the damage or injury when took wrong repair.

| | |
|--|--|
|  Warning | This symbol means "possible to die or heavy damage" |
|  Caution | This symbol means "possible to damage or something will break" |

- We made the symbol as below, which are kind of following items.

| | | | |
|---|--|---|----------------------------|
|  | This symbol means "CAUTION" |  | This symbol means "MUST" |
|  | This symbol means "POSSIBLE to ELECTRIC SHOCK" |  | This symbol means "DO NOT" |

|  WARNING | |
|---|---|
| <p>■ Should be follows to instructions.</p> <p> We indicates to cabinet, chassis and parts by label, which are special attention part. Please follow to note and [Safety Instructions] of User's Manual.</p> | <p>■ Should be kept same style of wiring or component.</p> <p> Monitor uses tubes or tapes, which made by insulator, and some components are keep distance from surface of PWB for safety.</p> <p> Internal leads kept from hot part or high voltage part by clamper or styling, so please return to original condition for prevent to electric shock or fire.</p> |
| <p>■ Prevent the electric shock.</p> <p> Please take care during working because monitor has high voltage part and power supply part.</p> <p>Possible to die if you tough to these place by miss take.</p> <p>Please disconnect power plug during overhaul, reassemble or change parts.</p> <p>You will die or take damage by electric shock if you touch to live part.</p> | <p>■ Should be done safety check after finished.</p> <p> Every part (removed screws, component and wiring) should be returned to previous condition.</p> <p>Check around repair position for make damage by miss take and measure the insulated impedance by meg-ohm meter. Confirm the value of impedance, that value is more than 4M ohm.</p> <p>It is reason for electric shock or fire if that value is less than 4M ohm.</p> |
| <p>■ Use recommended components.</p> <p> Please use to same characteristic component, which is same as previous for your safety and keep reliability especially marked by \triangle in parts list and circuit diagram.</p> <p>It is reason of electric shock or fire if you use non-recommended component.</p> | |

PRECAUTIONS

How to clean the plasma screen panel of the monitor

Before cleaning the monitor, turn off the monitor and disconnect the power plug from the power outlet.

To prevent scratching or damaging the plasma screen face, do not knock or rub the surface with sharp or hard objects. Clean the screen with a soft cloth moistened with warm water and dry with a soft cloth. If it is not enough, then use a cloth with mild detergent. Do not use harsh or abrasive cleaners.

How to clean the cabinet of the monitor

Use a soft cloth to clean the cabinet and control panel of the monitor. When excessively soiled dilute a neutral detergent in water, wet and wring out the soft cloth and afterward wipe with a dry soft cloth.

Never use acid/alkaline detergent, alcoholic detergent, abrasive cleaner, powder soap, OA cleaner, car wax, glass cleaner, etc. especially because they would cause discoloration, scratches or cracks.

1. Features

Large-screen, high-definition plasma display panel

The 42-inch color plasma display panel, with a resolution of 1024 (H) x 1080 (V) pixels, creates a high-definition, large-screen(aspect ratio : 16:9) and low-profile flat display. Free from electromagnetic interferences from geomagnetic sources and ambient power lines, the panel produces high-quality display images free from color mis-convergence and display distortion.

High Performance Digital Processor

A wide range of input signals can be handed,including composite, component,and HDMI.High Definition Digital Processor creates the fine-textured image with dynamic contrast. In addition, it corresponds to a broad array of personal computer signals, from 640 x 400 and 640 x 480 VGA to 1280 x 1024 SXGA.(RGB Input)

Easy-to-use remote control and on screen display system

The remote control included eases the work of setting display controls. Further, the on-screen display system, displays the status of signal reception and display control settings in an easy-to-view fashion.

Power saving system

The power saver feature saves power consumption automatically when input signals are not available.

When connected to a VESA DPMS-compliant PC, the monitor cuts its power consumption while it is idle.

Connecting to an Audio Visual Device

- Two composite/S terminal*¹,two composite terminal*², two component terminal*², two HDMI terminal and a photo input terminal have been added. A composite video output terminal is also provided as a monitoring output.

*¹ One composite/S terminal are on the side input. Composite terminal and S terminal should not be connected at the same time

*² Two composite terminal and two component terminal cannot be used at the same time.

- A wide range of devices other than personal computers can also be connected.

Power Swivel Feature

It allows to turn the display left or right within ± 30 degree using the remote control.

SD card slot installed

2. Specifications

| | | |
|----------------------------------|--------------------|---|
| Panel | Display dimensions | Approx. 42 inches (922(H) x 522(V)mm, diagonal 1059mm) |
| | Resolution | 1024(H) x 1080(V) pixels |
| Net dimensions | | including Optional Stand : 1134(W) x 713(H) x 365(D)mm excluding Optional Stand : 1134(W) x 648(H) x 109(D)mm |
| Net weight | | including Opional Stand : 41.5kg excluding Opional Stand : 35.6kg |
| Ambient conditions | Temperature | Operating : 5°C to 35°C, Storage : -15°C to 60°C |
| | Relative humidity | Operating : 20% to 80%, Storage : 20% to 90% (non-condensing) |
| Power supply | | AC110 - 240V, 50/60Hz |
| Power consumption / at standby | | 370W / <1W |
| Audio output | | speaker total 36W |
| (VIDEO input) | | |
| Input terminals | | AV1•2 : composite video input terminal (RCA) component video input terminal (RCA) L/R audio input terminal (RCA) AV3•4 : composite video input terminal (RCA) S video input terminal. L/R audio input terminal (RCA) HDMI1•2 : HDMI input terminal Audio input terminal (L/R audio input terminal (RCA))* Photo Input : Photo Input terminal / SD card slot |
| Input signals | | Composite video : PAL, SECAM, NTSC3.58, NTSC4.43, PAL60 Component video : 480i, 576i, 480p, 576p, 720p/50, 720p/60, 1080i/50, 1080i/60 HDMI : VGA/60, 480i, 576i, 480p, 576p, 720p/50, 720p/60, 1080i/50, 1080i/60, 1080p/50, 1080p/60 |
| Output Signal | | OUTPUT (MONITOR) : composite video monitor-output terminal (RCA) OUTPUT (MONITOR) : L/R audio monitor-output terminal (RCA) OUTPUT (HEADPHONE) : L/R audio monitor-output terminal (Mini-pin) OUTPUT (SUB-WOOFER) : Woofer output terminal (RCA) |
| (RF input) | | |
| Input terminal / Receiving range | | ANT : 75Ω Unbalanced / 44~870MHz |
| RF Video System | | PAL B, G, H / I / D, K SECAM B, G / D, K / K1 NTSC-M |
| (RGB input) | | |
| Input terminals | | Analog RGB input terminal (D-sub 15-pin) Audio input terminal (L/R audio input terminal (RCA))* |
| Input signals | | 0.7Vp-p, analog RGB (Recommended Signal) |
| Sync signals | | H/V separate, TTL level [2KΩ] |

•The unit takes at least 30 minutes to attain the status of optimal picture quality.

*This analog audio input terminal can be used for PC (RGB) or HDMI1/2 only.

3. Service points

● Lead free solder

This product uses lead free solder (unleaded) to help preserve the environment. Please read these instructions before attempting any soldering work.

Caution: Always wear safety glasses to prevent fumes or molten solder from getting into the eyes. Lead free solder can splatter at high temperatures (600°C).

■ Lead free solder indicator

Printed circuit boards using lead free solder are engraved with an "F."

■ Properties of lead free solder

The melting point of lead free solder is 40-50°C higher than leaded solder.

■ Servicing solder

Solder with an alloy composition of Sn-3.0Ag-0.5Cu or Sn-0.7Cu is recommended.

Although servicing with leaded solder is possible, there are a few precautions that have to be taken. (Not taking these precautions may cause the solder to not harden properly, and lead to consequent malfunctions.)

Precautions when using leaded solder

- Remove all lead free solder from soldered joints when replacing components.
- If leaded solder should be added to existing lead free joints, mix in the leaded solder thoroughly after the lead free solder has been completely melted (do not apply the soldering iron without solder).

■ Servicing soldering iron

A soldering iron with a temperature setting capability (temperature control function) is recommended.

The melting point of lead free solder is higher than leaded solder. Use a soldering iron that maintains a high stable temperature (large heat capacity), and that allows temperature adjustment according to the part being serviced, to avoid poor servicing performance.

Recommended soldering iron:

- Soldering iron with temperature control function (temperature range: 320-450°C)

Recommended temperature range per part:

| Part | Soldering iron temperature |
|---------------------------------|----------------------------|
| Mounting (chips) on mounted PCB | 320°C±30°C |
| Mounting (chips) on empty PCB | 380°C±30°C |
| Chassis, metallic shield, etc. | 420°C±30°C |

■ Readjustment Power supply voltage

When a PANEL or a Power Unit is exchanged, power supply voltage needs to be adjusted. Please adjust to make the values of Vs, as should on the label currently stuck on the panel back upper parts. Adjustment is performed by VR in the power supply unit. Please refer to the procedures of "Vs" adjustments on 21page.

The PWB assembly which has used lead free solder

- ① Filter PWB (Filter PWB, Side input PWB, Control PWB)
- ② Sub PWB (Sub PWB, SD PWB, Sensor PWB, Swivel PWB, LED PWB)
- ③ MAIN PWB (Main PWB)

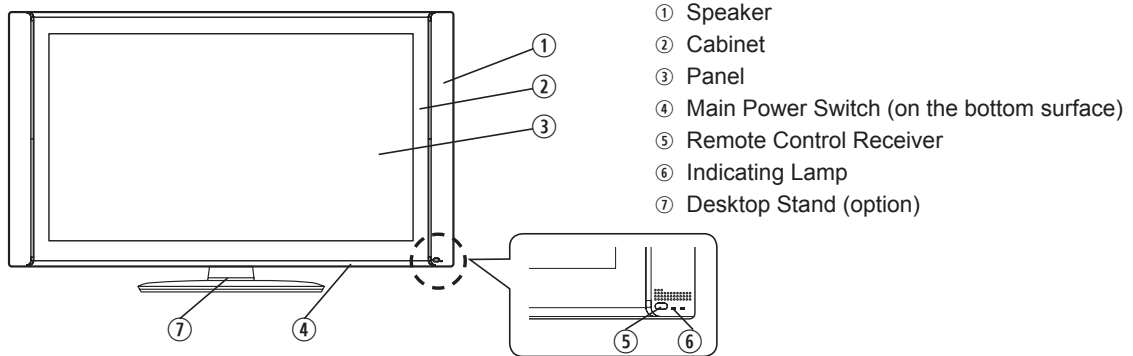
4. Component names

[Main unit]

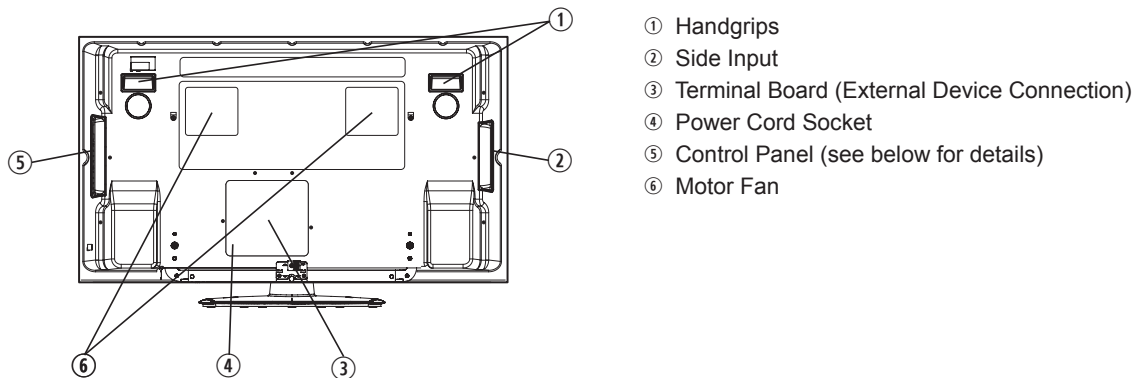
COMPONENT NAMES

Main Unit

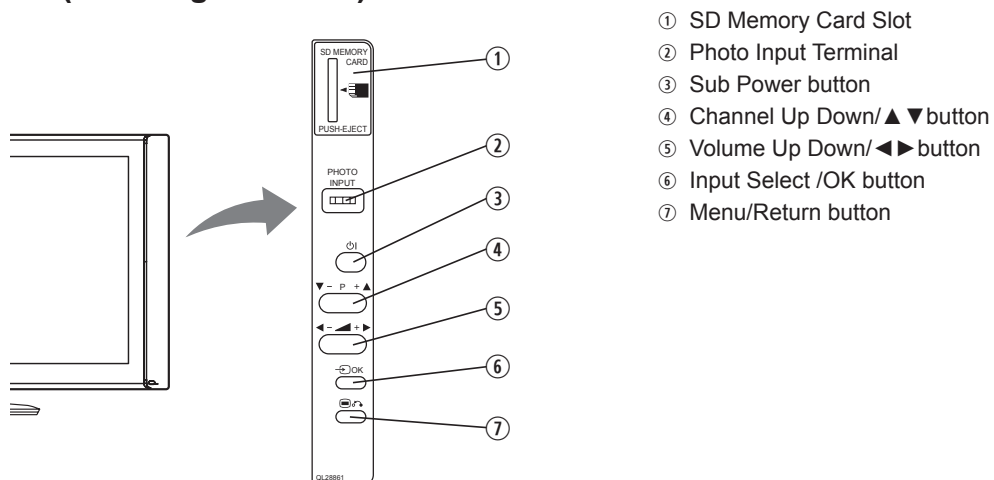
Front Panel

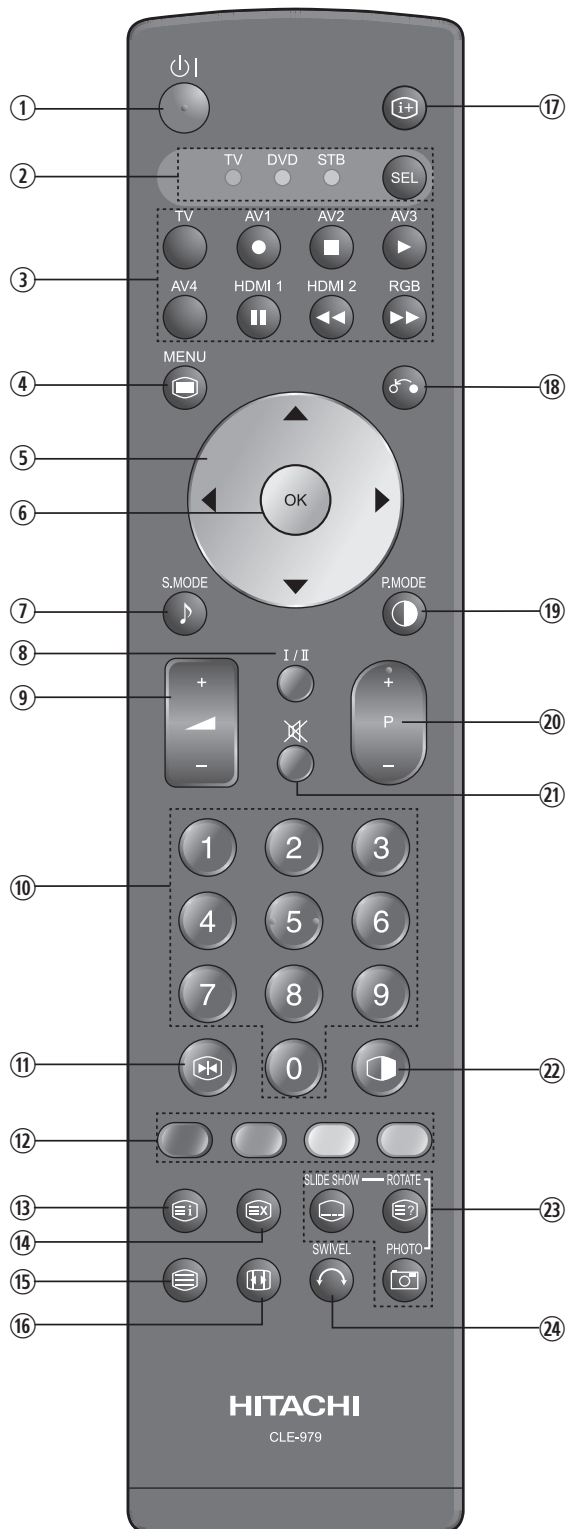


Rear Panel



Control Panel (including Card Slot)



[Remote control]

- ① **Sub Power**
- ② **Function Select (TV/DVD/STB)**
Press this button to select function mode indicating LED lamp. Normally, select "TV".
- ③ **Input Select/DVD Control/Photo Input Control**
Press this button to change input mode. In addition, you can use these buttons while operating the selected brand of DVD player or Photo Input function.
- ④ **Menu**
- ⑤ **Cursor**
- ⑥ **OK**
- ⑦ **Sound Mode**
Sound mode can be changed each time pressed in the following sequence. Movie→Music→Speech→Favorite
- ⑧ **CHI/II**
This is exclusively for TV audio A2/NICAM mode.
- ⑨ **Volume Up/Down**
- ⑩ **Program Select**
Press these buttons to select a TV program directly. For 2 or 3 digits channel selection, press **Ⓢ** button in advance.
- ⑪ **Freeze [Hold]**
Press this button to change the picture to freeze mode. Press it again to return to normal picture. (Also, it holds the page in teletext mode.)
- ⑫ **[Color (Red, Green, Yellow, Blue)]**
- ⑬ **[Index]**
- ⑭ **Time [Cancel]**
Press this button to display the time when receiving a TV program. The time is not displayed if the signal received does not have any time information.
- ⑮ **TV/Text [TV⇌Text]**
This switches between the TV mode and the Teletext mode.
- ⑯ **Zoom [Text⇌TV+Text]**
Press this button to change picture size.
- ⑰ **Recall**
Press this button to show the input signal status.
- ⑱ **Return**
You can use this to return to the previous menu.
- ⑲ **Picture Mode**
Picture mode can be changed each time pressed in the following sequence. Dynamic→Natural→Cinema
- ⑳ **Channel Up/Down**
- ㉑ **Mute**
- ㉒ **Multi Picture**
Press this button to change the picture to multi-picture mode. Press it again to return to normal picture.
- ㉓ **Photo Input (Photo/Rotate/Slide Show)**
These buttons are to display and control the pictures from digital still camera or USB card reader.
- ㉔ **Swivel (with optional Desktop Stand)**
This function is to rotate TV. Select the degree of rotation with cursor key.

5. New adoption technology

[System control micom I001(M30627)]

• Pin function table

| No. | Pin Name | I/O | FUNCTION |
|-----|--------------------|-----|--|
| 1 | VREF (+5.0V) | I | 5V |
| 2 | +5.0V | I | 5V |
| 3 | M_SW1 | I/O | Main SW1 |
| 4 | M_SW2 | I/O | Main SW2 |
| 5 | S_SW1 | I/O | Sub SW1 |
| 6 | BL_CONT | I/O | LCD Backlight control (DA-out) |
| 7 | G_HB | I/O | GENESIS HEART BEAT |
| 8 | G_XRST | I/O | GENESIS XRST |
| 9 | G_BUSY | I/O | GENESIS BUSY |
| 10 | EXT_CONT_1 | I/O | NC |
| 11 | BL_INST | I/O | Black Insert On/Off for 32V LCD (37V=Low) |
| 12 | BL_BLINK | I/O | Backlight Blink On/Off for 32V LCD (37V=Low) |
| 13 | GND | I | GND |
| 14 | CNVSS(FLASH) | I | CNVSS(FLASH) |
| 15 | FC6_DATA_DIR | I/O | FC6 DATA I/O control |
| 16 | S_SW2 | I/O | Sub FE SW2 |
| 17 | RESET | I | Reset |
| 18 | 16MHz oscillate | O | OSC-OUT |
| 19 | GND | I | GND |
| 20 | 16MHz oscillate | I | OSC-IN |
| 21 | +5.0V | I | 5V |
| 22 | NMI(+5.0V) | I | 5V PULL UP |
| 23 | RMCON | I/O | RX remote controller signal |
| 24 | FC6_VSYNC | I/O | FC6 V.SYNC Input |
| 25 | V.FREQ_3 | I/O | V.Frequency |
| 26 | SCV.SYNC | I/O | SUB_Y.SYNC (composite) |
| 27 | IRQ(PM-IRQ) | I/O | PDP control |
| 28 | MCV.SYNC | I/O | MAIN_Y.SYNC (composite) |
| 29 | POWER_LED | I/O | L : Lighting (Power save) |
| 30 | EXT_CONT_2 | I/O | NC |
| 31 | CEC_OUT | I/O | CEC OUT(CEC2) |
| 32 | H.FREQ_3 | I/O | H.Frequency |
| 33 | PDWN | I/O | Panel LVDS |
| 34 | RXD2 | I/O | GENESIS communication |
| 35 | TXD2 | I/O | GENESIS communication |
| 36 | TXD1(RS232C/FLASH) | I/O | RS-232C communication / FLASH write |
| 37 | | I | 5V |
| 38 | RXD1(RS232C/FLASH) | I/O | RS-232C communication / FLASH write |
| 39 | | I | GND |
| 40 | SCLK(FLASH) | I/O | FLASH write |
| 41 | BUSY(FLASH) | I/O | FLASH write |
| 42 | TXD0(DTT) | I/O | DTT |
| 43 | RXD0(DTT) | I/O | DTT |
| 44 | SDA4(panel) | I/O | PDP communication (I2C bus) |
| 45 | SCL4(panel) | I/O | PDP communication (I2C bus) |
| 46 | M_ENABLE | I/O | Media Enable |
| 47 | M_SCLK | I/O | Media Clock |
| 48 | M_SDA | I/O | Media Data |
| 49 | M_WAKEUP | I/O | Media Wakeup |
| 50 | PDPGO(PM_ON) | I/O | PDP control / LCD Panel 12V |

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| No. | Pin Name | I/O | FUNCTION |
|-----|-------------------|-----|---|
| 51 | CPUGO(PM_CPU) | I/O | PDP control / Inverter (V) |
| 52 | EPM (FLASH) | I/O | FLASH write |
| 53 | DISPEN | I/O | DISPEN / Backlight on |
| 54 | SCL1 | I/O | I2C(to Sub PWB) FE/MSP4450G or MSPxxxxG |
| 55 | SDA1 | I/O | I2C(to Sub PWB) FE/MSP4450G or MSPxxxxG |
| 56 | HDMI-RESET | I/O | HDMI-Reset |
| 57 | HDMI-HPD_RESET | I/O | Hot Plug Detect Reset |
| 58 | SCL6 | I/O | I2C(to Sensor PWB) (AD7414) |
| 59 | SDA6 | I/O | I2C(to Sensor PWB) (AD7414) |
| 60 | TUNER.DET_1 | I/O | TUNER setting (Tuner / 2 Tuner) |
| 61 | CE (FLASH) | I/O | FLASH write |
| 62 | STAND.CIR_DET | I/O | Stand Detect |
| 63 | SW_L_OUT | I/O | Swivel L out |
| 64 | SW_R_OUT | I/O | Swivel R out |
| 65 | M_SW | I/O | B.M. distinction |
| 66 | IRQ_DTT/DTT_RESET | I/O | DTT IRQ/DTT_RESET(for AUS-DTT) |
| 67 | DTT_GPIO1 | I/O | DTT_GPIO1 (for AUS-DTT) |
| 68 | DTT_POWER | I/O | DTT POWER |
| 69 | SCDT | I/O | HDMI Power Save (return) |
| 70 | RS232_SEL1 | I/O | RS-232C select1 (Main MPU / GNSS) |
| 71 | NC | I/O | NC |
| 72 | CUR_PRTCT | I/O | Detect Power Swivel overload |
| 73 | SP_MUTE | I/O | SP relay |
| 74 | AUDIO_MUTE | I/O | Audio MUTE |
| 75 | REC_MUTE | I/O | Audio REC_MUTE |
| 76 | HP_MUTE | I/O | Head Phone MUTE |
| 77 | SCL5 | I/O | I2C(Sil9021) |
| 78 | SDA5 | I/O | I2C(Sil9021) |
| 79 | SYNC_SW2 | I/O | sync SW |
| 80 | SYNC_SW1 | I/O | PC/BM sync SW |
| 81 | RGB_BLK_2 | I/O | NC |
| 82 | RGB_BLK_3 | I/O | NC |
| 83 | AUDIO_RESET | I/O | Audio RESET |
| 84 | IR_SW | I/O | IR Through SW |
| 85 | +5.0V | I | - |
| 86 | EDID_PROTECT_1 | I/O | Memory Protect |
| 87 | GND | I | GND |
| 88 | WSS_1 | I/O | NC |
| 89 | WSS_2 | I/O | NC |
| 90 | TV.AFC(S) / WSS_3 | I/O | Sub tuner control (AFC) |
| 91 | TV.AFC(M) | I/O | Main tuner control (AFC) |
| 92 | DEALY_SW1 | I/O | Audio Delay SW1(Lipsync) |
| 93 | DEALY_SW2 | I/O | Audio Dealy SW2(Lipsync) |
| 94 | EDID_PROTECT_2 | I/O | Memory Protect |
| 95 | HP_DETECT | I/O | HEAD PHONE DETECT |
| 96 | VCD_CE | I/O | for SAA7117A CE |
| 97 | INT_HDMI | I/O | INT(HDMI) |
| 98 | CEC_IN | I/O | CEC IN(CEC1) |
| 99 | RS232_SEL2 | I/O | RS-232C SEL2 (DTT / RS-232C SEL1) |
| 100 | DEMP_OUT | I/O | HDMI demphasis control out |

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| No. | Pin Name | I/O | FUNCTION |
|-----|------------------|-----|--|
| 101 | FC6_XRST | I/O | FC6 XRST |
| 102 | SCL0 | I/O | I2C (for Main PWB & Sub PWB)(SAA7117A/AN15867A/MM1631/MAX9723DETE) |
| 103 | SDA0 | I/O | I2C (for Main PWB & Sub PWB)(SAA7117A/AN15867A/MM1631/MAX9723DETE) |
| 104 | SCL3(EEPROM) | I/O | I2C(EEPROM) |
| 105 | SDA3(EEPROM) | I/O | I2C(EEPROM) |
| 106 | EPGGO | I/O | EPGGO |
| 107 | FC6_EXTLD | I/O | FC6 EXTLD |
| 108 | FC6_CLK | I/O | FC6 CLK |
| 109 | FC6_ENABLE | I/O | FC6 ENABLE |
| 110 | V_P_DET_1 | I/O | V_DET_1(Power Save return) |
| 111 | V_P_DET_2/POW_DL | I/O | V_DET_2(Power Save return) |
| 112 | FC6_DATA7 | I/O | FC6 DATA7 |
| 113 | FC6_DATA6 | I/O | FC6 DATA6 |
| 114 | FC6_DATA5 | I/O | FC6 DATA5 |
| 115 | FC6_DATA4 | I/O | FC6 DATA4 |
| 116 | FC6_DATA3 | I/O | FC6 DATA3 |
| 117 | FC6_DATA2 | I/O | FC6 DATA2 |
| 118 | FC6_DATA1 | I/O | FC6 DATA1 |
| 119 | FC6_DATA0 | I/O | FC6 DATA0 |
| 120 | FC6_PBLK | I/O | FC6 PBLK |
| 121 | PDP_LCD_SW | I/O | PDP(A4/A4SF/50),LCD(32/37) detect |
| 122 | AD_KEY2 | I/O | AD KEY2* |
| 123 | AD_KEY1 | I/O | AD KEY1(Power) |
| 124 | TV.POWER | I/O | H:Power ON, L:(Standby, Power Save) |
| 125 | DIP.DET | I/O | DIP DET |
| 126 | POWER_SAVE | I/O | L:Lighting (standby, power save), H:Lighting off |
| 127 | GND | I | GND |
| 128 | FAN_ALARM *1 | I/O | FAN ALARM |

- **Block diagram**



6. Adjustment

• How to get to Adjustment mode

Using the R-side control buttons with the set turned off (standby) can activate it.

Press the SUB-POWER(⏻) button, and MENU button at the same time, and hold for more than 5 seconds.

The set turns on in adjustment mode with OSD.

• Changing data and Selecting Adjustment code

When the set is in adjustment mode, the cursor ◀, ▶, ▲, ▼ and OK buttons of the remote control or R-side control buttons may be used as the adjustment keys.

▲, ▼ buttons are used for selecting adjustment code.

◀, ▶ buttons are used for changing data values.

OK button is used for to fix data.

After finishing the necessary adjustment press MENU button. Adjustment mode is released and the set returns to normal condition.

• Memory Initialize operation

NOTE: The execution of this function returns the adjustment codes to the preset values, therefore, adjustment data will be lost.

Procedure

- (1) Enter Adjustment Mode.
- (2) Select MEMORY INIT adjustment code (No.598) and change the data value from 0 to 1.
- (3) Activate MEMORY INIT by pressing OK button.
- (4) Select No.407 and change data value from 1 to 0.
- (5) Check that the receiving channel goes to P1. Unit is set to preset values.

• How to check method of the use accumulation time for panel.

Select No. 594 of Service Adjustment Menu.

• Do for the following when flicker is anxious.

This phenomenon depends on a contrast improvement function of a panel.

In the following condition, there is the case that this phenomenon occurs.

But outbreak frequency is very low.

- A still image of a single raster
- A signal of the video specification gradation input

| ADJ Items | ADJ No. | Init. Value | Max. value |
|--------------|---------|-------------|------------|
| PC mode | 132 | 0 | 1 |
| Dynamic mode | 129 | 0 | 1 |
| Normal mode | 130 | 0 | 1 |
| Cinema mode | 131 | 0 | 1 |

- When changed a main PWB for a service board, refer to P22 (Instructions in software renewal) at work.

● Service adjustment items by I²C-bus control (MAIN Part)

| Adj. No. | Function | Max. Value | Init. Value | Device |
|----------|---|-----------------------------|-------------|--------------|
| | ADJ. Items | Mode | | |
| 0 | SUB CONTRAST (AV1) DCON[7:0] | Sub Composite mode | 254 | 68 SAA7117A |
| 1 | SUB CONTRAST (AV2) DCON[7:0] | Sub Composite mode | 254 | 68 SAA7117A |
| 2 | SUB CONTRAST (AV3) DCON[7:0] | Sub Composite mode | 254 | 68 SAA7117A |
| 3 | SUB CONTRAST (AV4) DCON[7:0] | Sub Composite mode | 254 | 68 SAA7117A |
| 4 | SUB CONTRAST (AV5) DCON[7:0] | Sub Composite mode for EURO | 254 | 68 SAA7117A |
| 5 | SUB CONTRAST M (4.5) DCON[7:0] | Sub | 254 | 68 SAA7117A |
| 6 | SUB CONTRAST B/G (5.5) DCON[7:0] | Sub | 254 | 68 SAA7117A |
| 7 | SUB CONTRAST D/K (6.5) DCON[7:0] | Sub | 254 | 68 SAA7117A |
| 8 | SUB CONTRAST I (6.0) DCON[7:0] | Sub | 254 | 68 SAA7117A |
| 9 | SUB CONTRAST L (6.5) DCON[7:0] | Sub | 254 | 68 SAA7117A |
| 10 | SUB CONTRAST L' (6.5) DCON[7:0] | Sub | 254 | 68 SAA7117A |
| 11 | Sub Color M (4.5) DSAT[7:0] | Sub | 254 | 60 SAA7117A |
| 12 | Sub Color B/G (5.5) DSAT[7:0] | Sub | 254 | 62 SAA7117A |
| 13 | Sub Color D/K (6.5) DSAT[7:0] | Sub | 254 | 62 SAA7117A |
| 14 | Sub Color I (6.0) DSAT[7:0] | Sub | 254 | 62 SAA7117A |
| 15 | Sub Color L (6.5) DSAT[7:0] | Sub | 254 | 62 SAA7117A |
| 16 | Sub Color L' (6.5) DSAT[7:0] | Sub | 254 | 62 SAA7117A |
| 17 | Sub Color (VIDEO) DSAT[7:0] | Sub | 254 | 60 SAA7117A |
| 18 | TINT (RF) PAL/N-PAL/M-PAL/SECAM HUEC[7:0] | Sub | 254 | 0 SAA7117A |
| 19 | TINT (RF) NTSC3.58/NTSC4.43 HUEC[7:0] | Sub | 254 | 253 SAA7117A |
| 20 | TINT (VIDEO) PAL/N-PAL/M-PAL/SECAM HUEC[7:0] | Sub | 254 | 0 SAA7117A |
| 21 | TINT (VIDEO) NTSC3.58/NTSC4.43 HUEC[7:0] | Sub | 254 | 253 SAA7117A |
| 22 | Sharpness Gain/f0(RF/NR) LUF[3:0] | Sub | 15 | 0 SAA7117A |
| 23 | Sharpness Gain/f0(RF) M LUF[3:0] | Sub | 15 | 5 SAA7117A |
| 24 | Sharpness Gain/f0(RF) BG/DK/I LUF[3:0] | Sub | 15 | 5 SAA7117A |
| 25 | Sharpness Gain/f0(RF) L LUF[3:0] | Sub | 15 | 5 SAA7117A |
| 26 | Sharpness Gain/f0(RF) L' LUF[3:0] | Sub | 15 | 5 SAA7117A |
| 27 | Sharpness Gain/f0(VIDEO) PAL LUF[3:0] | Sub | 15 | 4 SAA7117A |
| 28 | Sharpness Gain/f0(VIDEO) NTSC3.58 LUF[3:0] | Sub | 15 | 4 SAA7117A |
| 29 | Sharpness Gain/f0(VIDEO) SECAM,B/W LUF[3:0] | Sub | 15 | 11 SAA7117A |
| 30 | Sharpness Gain/f0(VIDEO) NTSC4.43 LUF[3:0] | Sub | 15 | 4 SAA7117A |
| 31 | Sharpness Gain/f0(VIDEO) N-PAL LUF[3:0] | Sub | 15 | 4 SAA7117A |
| 32 | Sharpness Gain/f0(VIDEO) M-PAL LUF[3:0] | Sub | 15 | 4 SAA7117A |
| 33 | Sharpness Gain/f0(S.VIDEO) LUF[3:0] | Sub | 15 | 0 SAA7117A |
| 34 | IGP0 Output Control polarity IG0P | Sub | 1 | 0 SAA7117A |
| 35 | BPF Q (4.43MHz:NTSC4.43/PAL) (for AUTO[1:0]=11) LUBW | Sub | 1 | 0 SAA7117A |
| 36 | BPF Q (4.43MHz:NTSC4.43/PAL) (for AUTO[1:0]=11) LCBW[2:0] | Sub | 7 | 6 SAA7117A |
| 37 | IGP1 Output Control polarity IG1P | Sub | 1 | 0 SAA7117A |
| 38 | BPF Q (3.58MHz:NTSC3.58/M-PAL/N-PAL) (for AUTO[1:0]=11) LUBW | Sub | 1 | 0 SAA7117A |
| 39 | BPF Q (3.58MHz:NTSC3.58/M-PAL/N-PAL) (for AUTO[1:0]=11) LCBW[2:0] | Sub | 7 | 6 SAA7117A |
| 40 | I-port signal definitions IGP0 IDG0[2:0] | Sub | 7 | 0 SAA7117A |
| 41 | I-port signal definitions IGP1 IDG1[2:0] | Sub | 7 | 0 SAA7117A |
| 42 | SECAM D-Trap (for AUTO[1:0]=11) LUBW | Sub | 1 | 0 SAA7117A |
| 43 | SECAM D-Trap (for AUTO[1:0]=11) LCBW[2:0] | Sub | 7 | 6 SAA7117A |
| 44 | Y DL (4.5MHz) YDEL[2:0] | Sub | 7 | 7 SAA7117A |
| 45 | Y DL (5.5MHz PAL/NTSC) YDEL[2:0] | Sub | 7 | 7 SAA7117A |
| 46 | Y DL (5.5MHz SECAM) YDEL[2:0] | Sub | 7 | 6 SAA7117A |
| 47 | Y DL (6.0PAL/NTSC) YDEL[2:0] | Sub | 7 | 7 SAA7117A |
| 48 | Y DL (6.0SECAM) YDEL[2:0] | Sub | 7 | 6 SAA7117A |
| 49 | Y DL (6.5PAL/NTSC) YDEL[2:0] | Sub | 7 | 7 SAA7117A |
| 50 | Y DL (6.5SECAM) YDEL[2:0] | Sub | 7 | 6 SAA7117A |
| 51 | Y DL (L) YDEL[2:0] | Sub | 7 | 7 SAA7117A |
| 52 | Y DL (L') YDEL[2:0] | Sub | 7 | 7 SAA7117A |
| 53 | Y DL (VIDEO PAL/NTSC4.43) YDEL[2:0] | Sub | 7 | 7 SAA7117A |
| 54 | Y DL (VIDEO SECAM) YDEL[2:0] | Sub | 7 | 7 SAA7117A |
| 55 | Y DL (VIDEO NTSC3.58) YDEL[2:0] | Sub | 7 | 7 SAA7117A |
| 56 | Cb offset OFFU[1:0] | Sub | 3 | 0 SAA7117A |
| 57 | Cr offset OFFV[1:0] | Sub | 3 | 0 SAA7117A |
| 58 | AFC GAIN (AV00) HTC[1:0] | Sub | 3 | 2 SAA7117A |
| 59 | AFC GAIN (AV00) ATVT[1:0] | Sub | 3 | 2 SAA7117A |
| 60 | AFC GAIN (AV1-5) HTC[1:0] | Sub | 3 | 2 SAA7117A |
| 61 | AFC GAIN (AV1-5) ATVT[1:0] | Sub | 3 | 2 SAA7117A |
| 62 | AFC GAIN (RF) HTC[1:0] | Sub | 3 | 2 SAA7117A |
| 63 | AFC GAIN (RF) ATVT[1:0] | Sub | 3 | 2 SAA7117A |
| 64 | P/N ID QTHR[3:0] | Sub | 15 | 0 SAA7117A |
| 65 | S ID STHR[3:0] | Sub | 15 | 7 SAA7117A |
| 66 | HS Phase IRHP | Sub | 1 | 0 SAA7117A |
| 67 | AUTO mode AUTO[1:0] | Sub | 3 | 2 SAA7117A |
| 68 | ANALOG GAIN 1 AGA1[2]&AGA1[1:0] | Sub | 7 | 2 SAA7117A |
| 69 | ANALOG GAIN 2 AGA2[2]&AGA2[1:0] *serves both AGA3 and AGA4 | Sub | 7 | 2 SAA7117A |
| 70 | DIGITAL GAIN 1 DGA1[5:0] | Sub | 63 | 45 SAA7117A |
| 71 | DIGITAL GAIN 2 DGA2[5:0] *serves both DGA3 and DGA4 | Sub | 63 | 45 SAA7117A |
| 72 | VS Phase IRVP | Sub | 1 | 1 SAA7117A |
| 73 | LLC Output Enable LLC | Sub | 1 | 1 SAA7117A |
| 74 | LLC2 LLC54 Output Enable LLC2E | Sub | 1 | 1 SAA7117A |
| 75 | LLC2 LLC54 Select Line Locked Clock SLLC2 | Sub | 1 | 0 SAA7117A |
| 76 | XTOUT Output Control XTOUTE | Sub | 1 | 0 SAA7117A |
| 77 | RTS1 Output Control polarity RTP1 | Sub | 1 | 0 SAA7117A |

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| Adj. No. | Function | Max. Value | Init. Value | Device |
|----------|---|----------------------------|-------------|-------------|
| | ADJ. Items | Mode | | |
| 78 | RTS0 Output Control polarity RTP0 | Sub | 1 | 0 SAA7117A |
| 79 | RTS1 Output Control RTSE1[3:0] | Sub | 15 | 1 SAA7117A |
| 80 | RTS0 Output Control RTSE0[3:0] | Sub | 15 | 15 SAA7117A |
| 81 | Limit Level Image Port ILLV[1:0] | Sub | 3 | 0 SAA7117A |
| 82 | Dynamic Back Light 0:OFF, 1:ON (LCD only) | For Dynamic mode | 1 | 1 - |
| 83 | Dynamic Back Light 0:OFF, 1:ON (LCD only) | For Natural mode | 1 | 1 - |
| 84 | Dynamic Back Light 0:OFF, 1:ON (LCD only) | For Cinema mode | 1 | 1 - |
| 85 | APL Enhancer 0:OFF, 1:ON | For Dynamic mode | 1 | 1 - |
| 86 | HDMI PC Function 0:OFF, 1:ON (corresponds to items) | | 1 | 0 - |
| 87 | Video2-RGB MODE ON | For ASIA | 1 | 0 - |
| 88 | Automatic Chrominance Gain ON/OFF ACGC | | 1 | 0 SAA7117A |
| 89 | Chrominance gain value (NTSC) CGAIN[6:0] | | 127 | 46 SAA7117A |
| 90 | Chrominance gain value (PAL) CGAIN[6:0] | | 127 | 51 SAA7117A |
| 91 | X-port XRH output selection XRHS[1:0] | | 3 | 0 SAA7117A |
| 92 | X-port XRV output selection XRVs[1:0] | | 3 | 0 SAA7117A |
| 93 | *move to later 216 | | | |
| 94 | Standard detection search loop latency LATY[2:0] | Sub | 7 | 5 SAA7117A |
| 95 | CCFMD function | RF/VIDEO | 1 | 0 PDP |
| 96 | CCFMD function | DSUB-RGB | 1 | 0 PDP |
| 97 | Sharpness Gain/f0(RF/NR) SECAM,B/W LUFJ[3:0] | Sub | 15 | 12 SAA7117A |
| 98 | Sharpness Gain/f0(RF) SECAM,B/W LUFJ[3:0] | Sub | 15 | 11 SAA7117A |
| 99 | CHINA HD-STANDARD 0:Not Available, 1:Available | For A4SF Panel | 1 | 1 - |
| 100 | Dispersion Time of Sustain current (55 only) 0:2 Times, 1:4 times | For Dynamic mode | 1 | 0 PDP |
| 101 | Dispersion Time of Sustain current (55 only) 0:2 Times, 1:4 times | For Natural mode | 1 | 1 PDP |
| 102 | Dispersion Time of Sustain current (55 only) 0:2 Times, 1:4 times | For Cinema mode | 1 | 1 PDP |
| 103 | Dispersion Time of Sustain current (55 only) 0:2 Times, 1:4 times | For PC mode | 1 | 1 PDP |
| 104 | NTSC/EBU(CCFORM) | SD(YCbCr)/Scart-RGB | 1 | 0 PDP |
| 105 | NTSC/EBU(CCFORM) | HD(YPbPr) | 1 | 0 PDP |
| 106 | NTSC/EBU(CCFORM) | DSUB-RGB | 1 | 0 PDP |
| 107 | γ-select(0:1.0, 1:2.2, 2:2.8) | RF/VIDEO | 2 | 1 PDP |
| 108 | γ-select(0:1.0, 1:2.2, 2:2.8) | DSUB-RGB | 2 | 1 PDP |
| 109 | Color Temp. Correction | | 3 | 2 PDP |
| 110 | Select for APC function | | 1 | 0 PDP |
| 111 | C3OTON(COOL) | 1:ON, 0:OFF | 1 | 1 PDP |
| 112 | C3OTLV(COOL) | 1:Standard, 0:Weak | 1 | 0 PDP |
| 113 | C3OTON(NORMAL/WARM) | 1:ON, 0:OFF | 1 | 1 PDP |
| 114 | C3OTLV(NORMAL/WARM) | 1:Standard, 0:Weak | 1 | 0 PDP |
| 115 | SRV16(INTFPC) | 1:ON, 0:OFF | 1 | 0 PDP |
| 116 | GAM RS | 0:old map 1:new map(range) | 1 | 1 PDP |
| 117 | N-APSON | 0:OFF 1:ON | 1 | 1 PDP |
| 118 | B-APSON | 0:OFF 1:ON | 1 | 0 PDP |
| 119 | C3TBL_SEL_B | | 1 | 0 PDP |
| 120 | C3TBL_SEL_G | | 1 | 0 PDP |
| 121 | C3OTLEV_SEL_B | | 3 | 0 PDP |
| 122 | C3OTLEV_SEL_G | | 3 | 0 PDP |
| 123 | C3OTLEV_SEL_R | | 3 | 0 PDP |
| 124 | WTI-VW | 1:ON, 0:OFF | 1 | 0 PDP |
| 125 | WTI-WAVE | 0:AUTO1, 1:AUTO2, 2:fixed | 2 | 0 PDP |
| 126 | Reserved | | - | - - |
| 127 | Reserved | | - | - - |
| 128 | Reserved | | - | - - |
| 129 | SFDOFF 0:ON, 1:OFF | Dynamic mode | 1 | 0 PDP |
| 130 | SFDOFF 0:ON, 1:OFF | Normal mode | 1 | 0 PDP |
| 131 | SFDOFF 0:ON, 1:OFF | Cinema mode | 1 | 0 PDP |
| 132 | SFDOFF 0:ON, 1:OFF | PC mode | 1 | 0 PDP |
| 133 | Vak OffSet (Vak_OFS) | | 255 | 0 PDP |
| 134 | Vak to Vra Parameter(VaktoVra) | | 255 | 1 PDP |
| 135 | Vsk to Vrs Parameter(VsktoVrs) | | 255 | 1 PDP |
| 136 | VFB WAIT CounTer(CT_VWAIT) | | 255 | 60 PDP |
| 137 | VFB CORRection Counter(CT_VCORR) | | 255 | 15 PDP |
| 138 | Vsk OFFSet(Vsk_OFS) | | 255 | 0 PDP |
| 139 | Vsk DETect upper 2 bit(Vsk_DET) | | - | - PDP |
| 140 | Vsk DETect lower 8 bit(Vsk_DET) | | - | - PDP |
| 141 | Vsk detect INIT. upper 2 bit (Vsk_INIT) | | - | - PDP |
| 142 | Vsk detect INIT. lower 8 bit (Vsk_INIT) | | - | - PDP |
| 143 | Vak DETect upper 2 bit (Vak_DET) | | - | - PDP |
| 144 | Vak DETect lower 8 bit (Vak_DET) | | - | - PDP |
| 145 | DeLTa Vrs value(DLT_Vrs) | | - | - PDP |
| 146 | DeLTa Vra value(DLT_Vra) | | - | - PDP |
| 147 | Vak detect INIT. Upper 2 bit (Vak_INIT) | | - | - PDP |
| 148 | Vak detect INIT. Lower 8 bit(Vak_INIT) | | - | - PDP |
| 149 | TCASE (ACCC Operation Level) | 0014H | - | - PDP |
| 150 | ADM1(Temperature detection value) | 0015H | - | - PDP |
| 151 | ADM2(Temperature detection value) | 0016H | - | - PDP |
| 152 | ADM3(Temperature detection value) | 0017H | - | - PDP |
| 153 | ADM4(Temperature detection value) | 0018H | - | - PDP |
| 154 | ADM5(Temperature detection value) | 0019H | - | - PDP |
| 155 | ADM6(Temperature detection value) | 001AH | - | - PDP |

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| Adj. No. | Function | Max. Value | Init. Value | Device |
|------------|---|---|-------------|--------------|
| ADJ. Items | Mode | | | |
| 156 | ADM7(Temperature detection value) | 001BH | - | PDP |
| 157 | ADM8(Temperature detection value) | 001CH | - | PDP |
| 158 | ADM9(Temperature detection value) only for A4SF Pane | 005EH | - | PDP |
| 159 | ADM10(Temperature detection value) only for A4SF Pane | 005FH | - | PDP |
| 160 | MAXAVE (Maximum mean value of ADM) | 001EH | - | PDP |
| 161 | Iak (Maximum current of Address) | 000DH | - | PDP |
| 162 | USER Vrs(Uvrs) | - | - | PDP |
| 163 | USER Vra(Uvra) | - | - | PDP |
| 164 | Uvrs/Uvra RECALL(RCLVr) | - | 0 | PDP |
| 165 | SWIVEL DEMO MODE ON | 50 | 0 | - |
| 166 | Black insert function 0:Not available, 1:Available | For LCD Dynamic mode or Day mode | 1 | 0 M30627 |
| 167 | Dynamic Backlight function 0:No, 1:Yes | For LCD | 1 | 1 M30627 |
| 168 | DVI(HDMI) Range Scaling 0:Limited Range(Normal), 1:Full Range | For DVI-Video Timing | 1 | 0 HDMI |
| 169 | DTT LOG ENABLE | For DTT | 1 | 0 - |
| 170 | AUTO FM/AM (D11-D8) | - | 15 | 2 MSP4450G |
| 171 | AUTO FM/AM (D 7-D0) | - | 254 | 189 MSP4450G |
| 172 | A2 THRESHOLD (D11-D8) | - | 15 | 0 MSP4450G |
| 173 | A2 THRESHOLD (D 7-D0) | - | 254 | 112 MSP4450G |
| 174 | PRE_AM | Except 4.5MHz (Except Dual/Stereo mode) | 254 | 17 MSP4450G |
| 175 | VOL SCART1 (D15-D8) | - | 254 | 115 MSP4450G |
| 176 | VOL SCART1 (D 7-D5) | - | 7 | 0 MSP4450G |
| 177 | PRE_SCART | - | 254 | 25 MSP4450G |
| 178 | PRE_FM | 4.5MHz(JAPAN) | 254 | 34 MSP4450G |
| 179 | PRE_FM | 4.5MHz(Except BTSC-SAP mode) | 254 | 32 MSP4450G |
| 180 | PRE_FM | 4.5MHz(BTSC-SAP) | 254 | 60 MSP4450G |
| 181 | PRE_FM | 4.5MHz(Except KOREA—Dual/Stereo mode) | 254 | 36 MSP4450G |
| 182 | PRE_FM | 4.5MHz(KOREA—Dual/Stereo) | 254 | 34 MSP4450G |
| 183 | PRE_FM | Except 4.5MHz(Except Dual/Stereo mode) | 254 | 17 MSP4450G |
| 184 | PRE_FM | Except 4.5MHz(Dual/Stereo mode) | 254 | 27 MSP4450G |
| 185 | PRE NICAM | - | 254 | 57 MSP4450G |
| 186 | CM THRESHOLD (D15-D8) | Sync=OK | 254 | 0 MSP4450G |
| 187 | CM THRESHOLD (D7 -D0) | Sync=OK | 254 | 200 MSP4450G |
| 188 | Sound Multiplex special operation (0:Normal 1:Korea) | - | 1 | 0 M30627 |
| 189 | Set Stereo judgment level at turn on mode of Sound Multiplex | For Korea special version | 127 | 18 M30627 |
| 190 | Set Dual judgment level at turn on mode of Sound Multiplex | For Korea special version | 128 | 18 M30627 |
| 191 | Set Stereo judgment level at normal mode of Sound Multiplex | For Korea special version | 127 | 18 M30627 |
| 192 | Set Dual judgment level at normal mode of Sound Multiplex | For Korea special version | 128 | 18 M30627 |
| 193 | Set judgment time for jugd to Multiplex at turn on mode | For Korea special version | 255 | 117 M30627 |
| 194 | Set Counting time for judgment of normal mode | For Korea special version | 255 | 10 M30627 |
| 195 | Set judgment time for jugd to Multiplex at normal mode | For Korea special version | 255 | 64 M30627 |
| 196 | Select over modulated mode | For Korea special version | 2 | 0 M30627 |
| 197 | Set over modulated mode 1 | For Korea special version | 255 | 18 MSP4450G |
| 198 | Set over modulated mode 2 | For Korea special version | 255 | 32 MSP4450G |
| 199 | L PLL GAIN | - | 1 | 0 TDA9885 |
| 200 | HDMI Colorimetry adjustment 0:priority signal Format / 1:priority AVI InfoFrame | HDMI | 1 | 0 HDMI |
| 201 | BPMA : Back Porch Mode,Field2 position adjustment | - | 1 | 1 HDMI |
| 202 | Reserved | - | - | - |
| 203 | Select HDMI 1/2 at no using 0: Both no select, 1:Select HDMI 1, 2:Select HDMI 2 | - | 2 | 0 HDMI |
| 204 | CM THRESHOLD (D15-D8) | Sync=NG | 254 | 0 MSP4450G |
| 205 | CM THRESHOLD (D7 -D0) | Sync=NG | 254 | 0 MSP4450G |
| 206 | M_LPF1 OUT1 PbPr LPF Select | RF/Video | 3 | 1 AN15867A |
| 207 | M_LPF2 OUT1 PbPr LPF Select | 480i/576i | 3 | 2 AN15867A |
| 208 | M_LPF3 OUT1 PbPr LPF Select | 480p/576p | 3 | 2 AN15867A |
| 209 | M_LPF4 OUT1 PbPr LPF Select | 1080i/720p | 3 | 3 AN15867A |
| 210 | M_LPF5 OUT1 CY LPF Select | RF/Video | 3 | 1 AN15867A |
| 211 | M_LPF6 OUT1 CY LPF Select | 480i/576i | 3 | 2 AN15867A |
| 212 | M_LPF7 OUT1 CY LPF Select | 480p/576p | 3 | 2 AN15867A |
| 213 | M_LPF8 OUT1 CY LPF Select | 1080i/720p | 3 | 3 AN15867A |
| 214 | Audio Delay Time (0:149ms, 1:131ms, 2:93ms, 3:75ms) | RF | 3 | 0 M30627 |
| 215 | Audio Delay Time (0:149ms, 1:131ms, 2:93ms, 3:75ms) | except RF | 3 | 0 M30627 |
| 216 | Luminance brightness control NTSC3.58 DBRI[7:0] | - | 255 | 128 SAA7117A |
| 217 | Luminance brightness control NTSC4.43 DBRI[7:0] | - | 255 | 145 SAA7117A |
| 218 | Luminance brightness control PAL DBRI[7:0] | - | 255 | 128 SAA7117A |
| 219 | Luminance brightness control N-PAL DBRI[7:0] | - | 255 | 128 SAA7117A |
| 220 | Luminance brightness control M-PAL DBRI[7:0] | - | 255 | 145 SAA7117A |
| 221 | Luminance brightness control PAL-60 DBRI[7:0] | - | 255 | 145 SAA7117A |
| 222 | Luminance brightness control SECAM/BW(50) DBRI[7:0] | - | 255 | 128 SAA7117A |
| 223 | Luminance brightness control BW(60) DBRI[7:0] | - | 255 | 145 SAA7117A |
| 224 | ISXAVR | 000BH | - | - PDP |
| 225 | TUNER UNIT SELECT 0:FW1-UNIT, 1:PW3-UNIT | - | 1 | 0 - |
| 226 | COMPONENT(AV2&3-RGB) brightness control CBRI[7:0] | - | 255 | 128 SAA7117A |
| 227 | COMPONENT(AV2&3-RGB) contrast control CCON[7:0] | - | 255 | 64 SAA7117A |
| 228 | COMPONENT(AV2&3-RGB) saturation control CSAT[7:0] | - | 255 | 64 SAA7117A |
| 229 | XCLK OUTPUT CLOCK PHASE CONTROL XPCK[1:0] | - | 3 | 1 SAA7117A |
| 230 | EVENT HANDLER CONTROL STRC[1:0] | - | 3 | 0 SAA7117A |

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| Adj. No. | Function | | Max. Value | Init. Value | Device |
|----------|---|----------------|------------|-------------|----------|
| | ADJ. Items | Mode | | | |
| 231 | CONFIGURATION SOURCE SELECTION CONLV | | 1 | 0 | SAA7117A |
| 232 | CONFIGURATION SOURCE SELECTION HLDFV | | 1 | 0 | SAA7117A |
| 233 | LOUD MAIN (for BBE=LOW , Truebase=OFF) | | 254 | 20 | MSP4450G |
| 234 | LOUD MAIN (for BBE=HIGH, Truebase=OFF) | | 254 | 28 | MSP4450G |
| 235 | BASS OFST (for BBE=LOW , Truebase=OFF) | | 10 | 1 | MSP4450G |
| 236 | BASS OFST (for BBE=HIGH, Truebase=OFF) | | 10 | 3 | MSP4450G |
| 237 | LOUD MAIN (for BBE=LOW , Truebase=LOW/HIGH) | | 254 | 16 | MSP4450G |
| 238 | LOUD MAIN (for BBE=HIGH, Truebase=LOW/HIGH) | | 254 | 22 | MSP4450G |
| 239 | SUBW FREQ (for Truebase=LOW) | | 40 | 15 | MSP4450G |
| 240 | MB HP (for Truebase=LOW) | | 48 | 10 | MSP4450G |
| 241 | MB LP (for Truebase=LOW) | | 48 | 15 | MSP4450G |
| 242 | MB STR (for Truebase=LOW) | | 75 | 52 | MSP4450G |
| 243 | SUBW FREQ (for Truebase=HIGH) | | 40 | 15 | MSP4450G |
| 244 | MB HP (for Truebase=HIGH) | | 48 | 10 | MSP4450G |
| 245 | MB LP (for Truebase=HIGH) | | 48 | 15 | MSP4450G |
| 246 | MB STR (for Truebase=HIGH) | | 75 | 57 | MSP4450G |
| 247 | SRS FOCUS (for SRS=NRML) | | 127 | 0 | MSP4450G |
| 248 | SRS FOCUS (for SRS=WIDE) | | 127 | 0 | MSP4450G |
| 249 | SUR SUR (for SRS=NRML) | | 3 | 1 | MSP4450G |
| 250 | SUR SUR (for SRS=WIDE) | | 3 | 0 | MSP4450G |
| 251 | SUR FRONT (for SRS=NRML) | | 2 | 0 | MSP4450G |
| 252 | SUR FRONT (for SRS=WIDE) | | 2 | 0 | MSP4450G |
| 253 | ANALOG GAIN 1 AGA1[2]&AGA1[1:0] | Y/C : NTSC3.58 | 7 | 2 | SAA7117A |
| 254 | ANALOG GAIN 2 AGA2[2]&AGA2[1:0] | Y/C : NTSC3.58 | 7 | 2 | SAA7117A |
| 255 | DIGITAL GAIN 1 DGA1[5:0] | Y/C : NTSC3.58 | 63 | 42 | SAA7117A |
| 256 | DIGITAL GAIN 2 DGA2[5:0] | Y/C : NTSC3.58 | 63 | 42 | SAA7117A |
| 257 | ANALOG GAIN 1 AGA1[2]&AGA1[1:0] | Y/C : NTSC4.43 | 7 | 2 | SAA7117A |
| 258 | ANALOG GAIN 2 AGA2[2]&AGA2[1:0] | Y/C : NTSC4.43 | 7 | 2 | SAA7117A |
| 259 | DIGITAL GAIN 1 DGA1[5:0] | Y/C : NTSC4.43 | 63 | 42 | SAA7117A |
| 260 | DIGITAL GAIN 2 DGA2[5:0] | Y/C : NTSC4.43 | 63 | 42 | SAA7117A |
| 261 | ANALOG GAIN 1 AGA1[2]&AGA1[1:0] | Y/C : OTHERS | 7 | 2 | SAA7117A |
| 262 | ANALOG GAIN 2 AGA2[2]&AGA2[1:0] | Y/C : OTHERS | 7 | 2 | SAA7117A |
| 263 | DIGITAL GAIN 1 DGA1[5:0] | Y/C : OTHERS | 63 | 45 | SAA7117A |
| 264 | DIGITAL GAIN 2 DGA2[5:0] | Y/C : OTHERS | 63 | 45 | SAA7117A |
| 265 | ANALOG GAIN 1 AGA1[2]&AGA1[1:0] | CVBS: NTSC3.58 | 7 | 2 | SAA7117A |
| 266 | DIGITAL GAIN 1 DGA1[5:0] | CVBS: NTSC3.58 | 63 | 42 | SAA7117A |
| 267 | ANALOG GAIN 1 AGA1[2]&AGA1[1:0] | CVBS: NTSC4.43 | 7 | 2 | SAA7117A |
| 268 | DIGITAL GAIN 1 DGA1[5:0] | CVBS: NTSC4.43 | 63 | 42 | SAA7117A |
| 269 | ANALOG GAIN 1 AGA1[2]&AGA1[1:0] | CVBS: OTHERS | 7 | 2 | SAA7117A |
| 270 | DIGITAL GAIN 1 DGA1[5:0] | CVBS: OTHERS | 63 | 45 | SAA7117A |
| 271 | Luminance Improvement Control [LIMOD] | | 3 | 0 | SAA7117A |
| 272 | Luminance Improvement Control [LIFIL] | | 7 | 0 | SAA7117A |
| 273 | Luminance Improvement Control [LIWGT] | | 7 | 6 | SAA7117A |
| 274 | Chrominance Improvement Control [CIMOD] | | 3 | 0 | SAA7117A |
| 275 | Chrominance Improvement Control [CIFIL] | | 7 | 0 | SAA7117A |
| 276 | Chrominance Improvement Control [CIWGT] | | 3 | 0 | SAA7117A |
| 277 | Reserved | | - | - | - |
| 278 | Reserved | | - | - | - |
| 279 | Reserved | | - | - | - |
| 280 | Reserved | | - | - | - |
| 281 | Reserved | | - | - | - |
| 282 | Reserved | | - | - | - |
| 283 | Reserved | | - | - | - |
| 284 | Reserved | | - | - | - |
| 285 | Reserved | | - | - | - |
| 286 | Reserved | | - | - | - |
| 287 | Reserved | | - | - | - |
| 288 | Reserved | | - | - | - |
| 289 | Reserved | | - | - | - |
| 290 | Reserved | | - | - | - |
| 291 | Reserved | | - | - | - |
| 292 | Reserved | | - | - | - |
| 293 | Reserved | | - | - | - |
| 294 | Reserved | | - | - | - |
| 295 | Reserved | | - | - | - |
| 296 | Reserved | | - | - | - |
| 297 | Reserved | | - | - | - |
| 298 | Reserved | | - | - | - |
| 299 | Reserved | | - | - | - |
| 300 | Reserved | | - | - | - |
| 301 | Reserved | | - | - | - |
| 302 | Reserved | | - | - | - |
| 303 | Reserved | | - | - | - |
| 304 | Reserved | | - | - | - |
| 305 | Reserved | | - | - | - |
| 306 | Reserved | | - | - | - |
| 307 | Reserved | | - | - | - |
| 308 | Reserved | | - | - | - |

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| Adj. No. | Function | | Max. Value | Init. Value | Device |
|-------------|------------|------|---------------|----------------|--------|
| | ADJ. Items | Mode | | | |
| 309 | Reserved | | - | - | - |
| 310 | Reserved | | - | - | - |
| 311 | Reserved | | - | - | - |
| 312 | Reserved | | - | - | - |
| 313 | Reserved | | - | - | - |
| 314 | Reserved | | - | - | - |
| 315 | Reserved | | - | - | - |
| 316 | Reserved | | - | - | - |
| 317 | Reserved | | - | - | - |
| 318 | Reserved | | - | - | - |
| 319 | Reserved | | - | - | - |
| 320 | Reserved | | - | - | - |
| 321 | Reserved | | - | - | - |
| 322 | Reserved | | - | - | - |
| 323 | Reserved | | - | - | - |
| 324 | Reserved | | - | - | - |
| 325 | Reserved | | - | - | - |
| 326 | Reserved | | - | - | - |
| 327 | Reserved | | - | - | - |
| 328 | Reserved | | - | - | - |
| 329 | Reserved | | - | - | - |
| 330 | Reserved | | - | - | - |
| 331 | Reserved | | - | - | - |
| 332 | Reserved | | - | - | - |
| 333 | Reserved | | - | - | - |
| 334 | Reserved | | - | - | - |
| 335 | Reserved | | - | - | - |
| 336 | Reserved | | - | - | - |
| 337 | Reserved | | - | - | - |
| 338 | Reserved | | - | - | - |
| 339 | Reserved | | - | - | - |
| 340 | Reserved | | - | - | - |
| 341 | Reserved | | - | - | - |
| 342 | Reserved | | - | - | - |
| 343 | Reserved | | - | - | - |
| 344 | Reserved | | - | - | - |
| 345 | Reserved | | - | - | - |
| 346 | Reserved | | - | - | - |
| 347 | Reserved | | - | - | - |
| 348 | Reserved | | - | - | - |
| 349 | Reserved | | - | - | - |
| 350 | Reserved | | - | - | - |
| 351 | Reserved | | - | - | - |
| 352 | Reserved | | - | - | - |
| 353 | Reserved | | - | - | - |
| 354 | Reserved | | - | - | - |
| 355 | Reserved | | - | - | - |
| 356 | Reserved | | - | - | - |
| 357 | Reserved | | - | - | - |
| 358 | Reserved | | - | - | - |
| 359 | Reserved | | - | - | - |
| 360 | Reserved | | - | - | - |
| 361 | Reserved | | - | - | - |
| 362 | Reserved | | - | - | - |
| 363 | Reserved | | - | - | - |
| 364 | Reserved | | - | - | - |
| 365 | Reserved | | - | - | - |
| 366 | Reserved | | - | - | - |
| 367 | Reserved | | - | - | - |
| 368 | Reserved | | - | - | - |
| 369 | Reserved | | - | - | - |
| 370 | Reserved | | - | - | - |
| 371 | Reserved | | - | - | - |
| 372 | Reserved | | - | - | - |
| 373 | Reserved | | - | - | - |
| 374 | Reserved | | - | - | - |
| 375 | Reserved | | - | - | - |
| 376 | Reserved | | - | - | - |
| 377 | Reserved | | - | - | - |
| 378 | Reserved | | - | - | - |
| 379 | Reserved | | - | - | - |
| 380 | Reserved | | - | - | - |
| 381 | Reserved | | - | - | - |
| 382 | Reserved | | - | - | - |
| 383 | Reserved | | - | - | - |
| 384 | Reserved | | - | - | - |
| 385 | Reserved | | - | - | - |
| 386 | Reserved | | - | - | - |

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| Adj. No. | Function | Max. Value | Init. Value | Device |
|------------|--|------------|-------------|--------|
| ADJ. Items | Mode | | | |
| 387 | Reserved | - | - | - |
| 388 | Reserved | - | - | - |
| 389 | Reserved | - | - | - |
| 390 | Reserved | - | - | - |
| 391 | Reserved | - | - | - |
| 392 | Reserved | - | - | - |
| 393 | Reserved | - | - | - |
| 394 | Reserved | - | - | - |
| 395 | Reserved | - | - | - |
| 396 | Reserved | - | - | - |
| 397 | Reserved | - | - | - |
| 398 | Reserved | - | - | - |
| 399 | Custom tuning 0:SINGAPORE, 1:HONG KONG, 2:AUSTRALIA, 3:CHINA, 4:Reserved | 4 | 3 | - |
| 400 | Mode display 0:Normal, 1:RF mode only, 2:AI | 2 | 0 | M30627 |
| 401 | Temperature for Fun start (Temp_High) | 254 | 58 | TEMP |
| 402 | Temperature for Fun stop (Temp_Low) | 254 | 55 | TEMP |
| 403 | Display of internal temperature °C (Temperature) | 125 | - | TEMP |
| 404 | Power Save/Screen Saver On/Off Setting at Initialize, Reset and Shipping | 2 | 0 | M30627 |
| | P.S/S.S 0:Off/20m 1:On/Off 2:Off/Off | | | |
| 405 | PC Power Save function (0:Impossible, 1:Possible) | 1 | 1 | M30627 |
| 406 | Waite Time for POWER SAVE function (s) | 254 | 15 | M30627 |
| 407 | BURN-IN enable/ disable | 1 | 1 | M30627 |
| 408 | BURN-IN mode | 2 | 2 | PDP |
| 409 | Recovery to an error of OSC frequency of Ceramic resonator for timer | 62 | 34 | M30627 |
| 410 | EURO DK-SECAM MASK(V=60) 0:Normal 1:Mask(V=60) | 1 | 0 | - |
| 411 | Set Sound System at Auto mode of Sound Sys. (0:auto, 1:4.5MHz) | 1 | 0 | M30627 |
| 412 | Power condition at power save mode of PC mode after done RESET function | 1 | 0 | M30627 |
| | 0:Keep last condition, 1:Return to normal condition | | | |
| 413 | Select Wide mode for Europe model (Normal= 5mode/ For Service= 10 mode) | 1 | 0 | M30627 |
| | 0:Normal, 1:For service | | | |
| 414 | Thermo sensor function available or not 0:None, 1:Yes | 1 | 0 | M30627 |
| 415 | EURO SOUND SYSTEM DK Disable 0:Enable, 1:Disable | 1 | 0 | M30627 |
| 416 | Remote Function available 0:NO, 1:YES | 1 | 1 | M30627 |
| 417 | Key Function available 0:NO, 1:YES | 1 | 1 | M30627 |
| 418 | Terminal Mode Function available 0:Not Available, 1:Available | 1 | 1 | M30627 |
| | RS232C | | | |
| 419 | Set Taiwan/Korea/South America 0:Others 1: Taiwan/Korea/South America | 1 | 0 | M30627 |
| 420 | Language (Refer to below) | 10 | 0 | M30627 |
| 421 | Hotel Mode(0:No, 1:Yes) | 2 | 0 | M30627 |
| 422 | Initial Audio Level available (0:No 1: Yes) | 1 | 0 | M30627 |
| 423 | Initial Audio Level | 63 | 20 | M30627 |
| 424 | Size button available (0:No 1:Yes) | 1 | 1 | M30627 |
| 425 | Multi Picture button available (0:No 1:Yes) | 1 | 1 | M30627 |
| 426 | Photo button available (0:No 1:Yes) | 1 | 1 | M30627 |
| 427 | Analog Data (0:Keep EEPROM, 1:Not Keep to EEPROM) | 1 | 0 | M30627 |
| 428 | Maximum Volume Limit | 63 | 63 | M30627 |
| 429 | Power Mode(0:Last mode, 1:Pos1, 2-7:V1-6, 8-9:RGB1-2) | 9 | 0 | M30627 |
| 430 | Channel Select (0:CCIR, 1:CHINA) | 1 | 0 | M30627 |
| 431 | Auto_sound 4.5 (0:Korea, 1:BTSC, 2:Japan) | 2 | 0 | M30627 |
| 432 | T/TEXT(0:None, 1:Yes) | 1 | 1 | M30627 |
| 433 | Channel Preset(0:VESTEL, 1:GIFU, 2:HAMA, 3:HFDM, 4:AUSTRALIA) | 4 | 1 | M30627 |
| 434 | Australia Preset 0: None, 1: yes | 1 | 0 | M30627 |
| 435 | V FREQ 60Hz Force (0:None, 1:Yes) | 1 | 0 | M30627 |
| 436 | Power control for Pay TV | 255 | 0 | M30627 |
| 437 | Set timer to power off (for Pay TV) | 255 | 0 | M30627 |
| 438 | Gray level of BM | 31 | 4 | BM |
| 439 | Display of BM version | 127 | - | BM |
| 440 | PANORAMIC1/2 for AUTO[PANORAMIC] | 1 | 0 | - |
| | PANORAMIC1[0] / 2[1] | | | |
| 441 | Set upper limit value(%) of stable picture of DTT | 6 | 0 | M30627 |
| | 0:always invalidity 1:100%,2:80%,3:60%, 4:40%,5:20%,6:0%(always validity) x80ms | | | |
| 442 | T/Text Station Name Timeout | 255 | 80 | - |
| 443 | DTT-TEXT Analog/Digital SW (for Continental Model) | 1 | 0 | - |
| 444 | For Event Timer Function check 0:Normal(Off), 1:High, 2:Middle | 2 | 0 | - |
| 445 | DTT Function Available 0: Not Available, 1: Available | 1 | 0 | M30627 |
| 446 | fH frequency of decision agreement (M30627) | 31 | 2 | M30627 |
| 447 | fV frequency of decision agreement (M30627) | 31 | 2 | M30627 |
| 448 | fV frequency of decision agreement (SAA7117A) | 31 | 2 | M30627 |
| 449 | Lower Limits value for Sync Detect of 2ms interval | 254 | 25 | M30627 |
| | For AFC at TV mode | | | |
| 450 | Lower Limits value for Sync Detect of 2ms interval | 254 | 30 | M30627 |
| | For Free Running at TV mode | | | |
| 451 | Lower Limits value for Sync Detect of 2ms interval | 254 | 25 | M30627 |
| | For AUTO OFF at TV mode | | | |
| 452 | Lower Limits value for Sync Detect of 2ms interval | 254 | 25 | M30627 |
| | For Free Running at AV mode | | | |
| 453 | Lower Limits value for Sync Detect of 2ms interval | 254 | 25 | M30627 |
| | For Power Save at AV mode | | | |
| 454 | Upper Limits Value for Sync Detect of 2ms interval | 254 | 40 | M30627 |
| | For AFC at TV mode | | | |
| 455 | Upper Limits Value for Sync Detect of 2ms interval | 254 | 45 | M30627 |
| | For Free Running at TV mode | | | |
| 456 | Upper Limits Value for Sync Detect of 2ms interval | 254 | 35 | M30627 |
| | For AUTO OFF at TV mode | | | |
| 457 | Upper Limits Value for Sync Detect of 2ms interval | 254 | 35 | M30627 |
| | For Free Running at AV mode | | | |

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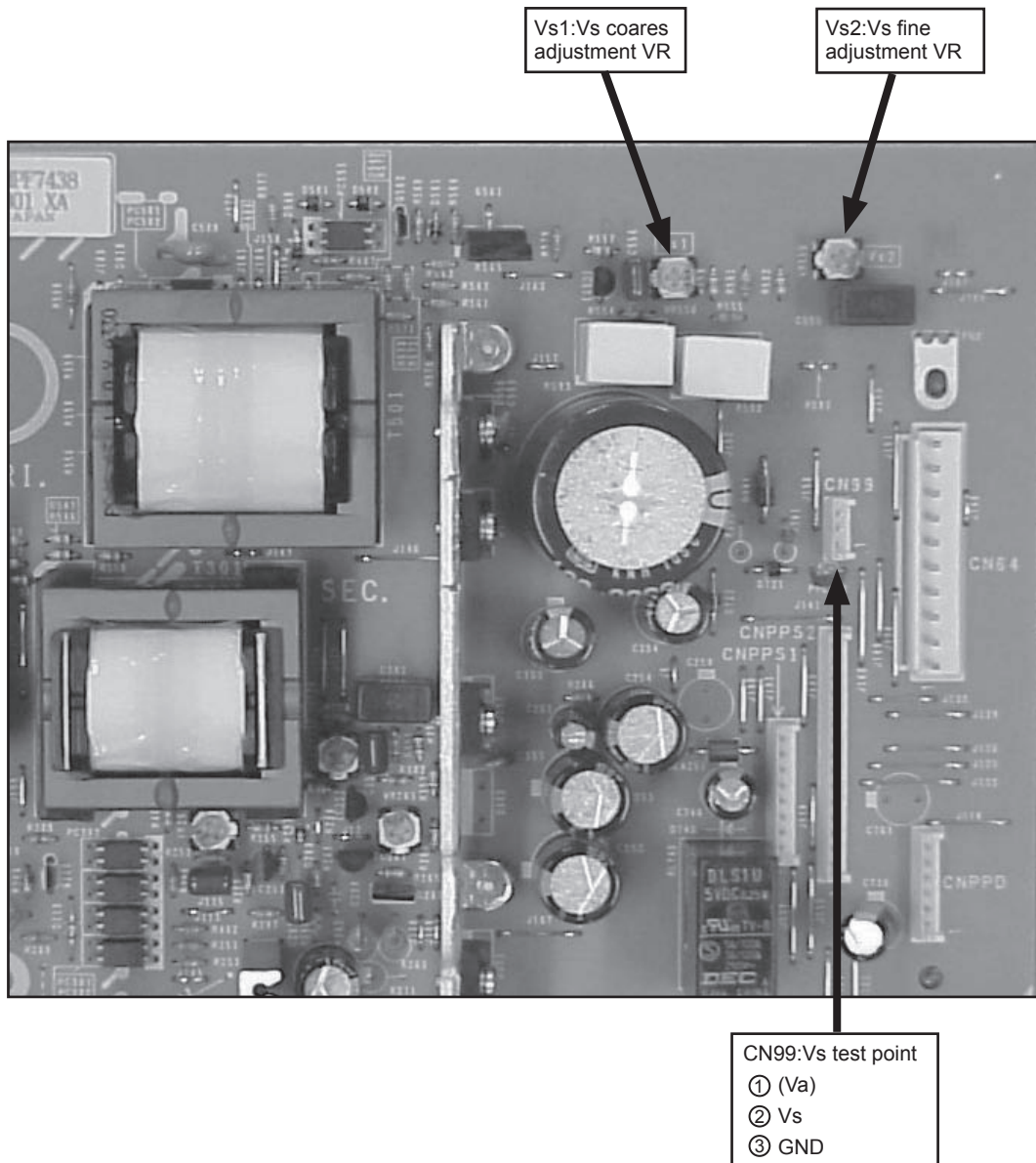
| Adj. No. | Function | Max. Value | Init. Value | Device |
|------------|--|------------|-------------|----------|
| ADJ. Items | Mode | | | |
| 458 | Upper Limits Value for Sync Detect of 2ms interval | 254 | 45 | M30627 |
| 459 | COLOR SYSTEM CONTROL-MODE(0:BW, 2:3.58NTSC, 3:4.43NTSC, ...) | - | - | M30627 |
| 460 | COLOR SYSTEM CONTROL-MODE(0:BW, 2:3.58NTSC, 3:4.43NTSC, ...) | - | - | M30627 |
| 461 | 2ms synchronus count value | - | - | M30627 |
| 462 | 2ms synchronus count value | - | - | M30627 |
| 463 | TB1274 Read Data(00h) | - | - | TB1274 |
| 464 | TB1274 Read Data(01h) | - | - | TB1274 |
| 465 | MSP Read Data (CNTROL) (D15-D8) | - | - | MSP4450G |
| 466 | MSP Read Data (CNTROL) (D 7-D0) | - | - | MSP4450G |
| 467 | MSP Read Data (STANDARD_RES) (D15-D8) | - | - | MSP4450G |
| 468 | MSP Read Data (STANDARD_RES) (D 7-D0) | - | - | MSP4450G |
| 469 | MSP Read Data (STATUS) (D15-D8) | - | - | MSP4450G |
| 470 | MSP Read Data (STATUS) (D 7-D0) | - | - | MSP4450G |
| 471 | HDMI Read Data SYNC1 : VSYNC/Clock detect/Sync detect 1 | - | - | HDMI |
| 472 | HDMI Read Data NHRDL1 : N hardware value 1 下位7ビット | - | - | HDMI |
| 473 | HDMI Read Data NHRDM1 : N hardware value 1 中位7ビット | - | - | HDMI |
| 474 | HDMI Read Data NHRDH1 : N hardware value 1 上位4ビット | - | - | HDMI |
| 475 | HDMI Read Data CHRDL1 : CTS hardware value 1 下位7ビット | - | - | HDMI |
| 476 | HDMI Read Data CHRDM1 : CTS hardware value 1 中位7ビット | - | - | HDMI |
| 477 | HDMI Read Data CHRDH1 : CTS hardware value 1 上位4ビット | - | - | HDMI |
| 478 | HDMI Read Data ACR1 : ACR PLL hardware value 1 | - | - | HDMI |
| 479 | HDMI Read Data ACRS1 : ACR PLL hardware value 1 depend Source side | - | - | HDMI |
| 480 | HDMI Read Data SFREQ1 : "Extracted Sampling Frequency 1 channel status b24-27(same value at 0x30)" | - | - | HDMI |
| 481 | HDMI Read Data CLKFRQ1: Clock Accuracy/Sampling Frequency 1 | - | - | HDMI |
| 482 | HDMI Read Data ALNG1 : Audio length/Audio length max 1 | - | - | HDMI |
| 483 | HDMI Read Data MT_MD1 : AV mute/HDMI mode 1 | - | - | HDMI |
| 484 | HDMI Read Data VTyp1 : AVI infoframe type code 1(request) | - | - | HDMI |
| 485 | HDMI Read Data VVER1 : AVI infoframe version code 1(request) | - | - | HDMI |
| 486 | HDMI Read Data VINFO11: AVI infoframe data 1 | - | - | HDMI |
| 487 | HDMI Read Data VINFO21: | - | - | HDMI |
| 488 | HDMI Read Data VINFO31: | - | - | HDMI |
| 489 | HDMI Read Data VINFO41: | - | - | HDMI |
| 490 | HDMI Read Data VINFO51: | - | - | HDMI |
| 491 | HDMI Read Data ATYP1 : AUDIO InfoFrame Type Code 1(request) | - | - | HDMI |
| 492 | HDMI Read Data AVER1 : AUDIO InfoFrame Version Code 1(request) | - | - | HDMI |
| 493 | HDMI Read Data AINFO11: AUDIO InfoFrame Data Bytes 1 | - | - | HDMI |
| 494 | HDMI Read Data AINFO21: | - | - | HDMI |
| 495 | HDMI Read Data AINFO31: | - | - | HDMI |
| 496 | HDMI Read Data AINFO41: | - | - | HDMI |
| 497 | HDMI Read Data AINFO51: | - | - | HDMI |
| 498 | HDMI Read Data H-RES(H) decimal x 100 | - | - | HDMI |
| 499 | HDMI Read Data H-RES(L) decimal x 1 | - | - | HDMI |
| 500 | HDMI Read Data V-RES(H) decimal x 100 | - | - | HDMI |
| 501 | HDMI Read Data V-RES(L) decimal x 1 | - | - | HDMI |
| 502 | HDMI Read Data INTR1: | - | - | HDMI |
| 503 | HDMI Read Data INTR2: | - | - | HDMI |
| 504 | HDMI Read Data INTR3: | - | - | HDMI |
| 505 | HDMI Read Data INTR4: | - | - | HDMI |
| 506 | HDMI Read Data INTR5: | - | - | HDMI |
| 507 | HDMI Read Data INTR6: | - | - | HDMI |
| 508 | IR through available 0:NO, 1:YES | 1 | 1 | M30627 |
| 509 | Sub Video(SAA7117A)/RGB available Sub/RGB(0:N/N, 1:Y/Y, 2:N/Y, 3:Y/N) | 3 | 1 | M30627 |
| 510 | Sub Video decoder Read Data 430Eh (Chrominance control 1) | - | - | SAA7117A |
| 511 | Sub Video decoder Read Data 431Eh (Status byte 1) | - | - | SAA7117A |
| 512 | Sub Video decoder Read Data 431Fh (Status byte 2) | - | - | SAA7117A |
| 513 | Sub Video decoder Output (0:I-Port, 1:X-Port) *X-Port = quality NG -> use I-Port | 1 | 0 | SAA7117A |
| 514 | Gain Control GAFIXA/GAFIXD 0:Auto(AGC), 1:Manual(static) | 1 | 1 | SAA7117A |
| 515 | CSTD[2:0] for AUTO (4:PAL/NTSC-J, 5:SECAM/NTSC-M, other:PAL/NTSC-M) | 5 | 4 | SAA7117A |
| 516 | Reserved | - | - | - |
| 517 | Screen saver available (for Teletext=ON) 0:No, 1:Yes | 1 | 0 | - |
| 518 | Reserved | - | - | - |
| 519 | Reserved | - | - | - |
| 520 | HDMI Read Data DE_PIXL | - | - | HDMI |
| 521 | HDMI Read Data DE_PIXH | - | - | HDMI |
| 522 | HDMI Read Data DE_LINL | - | - | HDMI |
| 523 | HDMI Read Data DE_LINH | - | - | HDMI |
| 524 | HDMI Read Data VID_VTAVL | - | - | HDMI |
| 525 | HDMI Read Data VID_VFP | - | - | HDMI |
| 526 | HDMI Read Data VID_STAT | - | - | HDMI |
| 527 | HDMI Read Data VID_HFP | - | - | HDMI |
| 528 | HDMI Read Data VID_HSWIDL | - | - | HDMI |
| 529 | HDMI Read Data VID_HSWIDH | - | - | HDMI |
| 530 | Reserved | - | - | - |
| 531 | Reserved | - | - | - |
| 532 | Reserved | - | - | - |
| 533 | Reserved | - | - | - |
| 534 | Reserved | - | - | - |

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| Adj. No. | Function | | Max. Value | Init. Value | Device |
|----------|---|----------------------------|------------|-------------|---------|
| | ADJ. Items | Mode | | | |
| 535 | Reserved | | - | - | - |
| 536 | Reserved | | - | - | - |
| 537 | Reserved | | - | - | - |
| 538 | Reserved | | - | - | - |
| 539 | Reserved | | - | - | - |
| 540 | Reserved | | - | - | - |
| 541 | Reserved | | - | - | - |
| 542 | Reserved | | - | - | - |
| 543 | Reserved | | - | - | - |
| 544 | Reserved | | - | - | - |
| 545 | Reserved | | - | - | - |
| 546 | Reserved | | - | - | - |
| 547 | Reserved | | - | - | - |
| 548 | Reserved | | - | - | - |
| 549 | Reserved | | - | - | - |
| 550 | Reserved | | - | - | - |
| 551 | Reserved | | - | - | - |
| 552 | Reserved | | - | - | - |
| 553 | Reserved | | - | - | - |
| 554 | RF-PAL IF compensation Enable 0:Disable, 1:Enable | | 1 | 0 | Subsys |
| 555 | DTT Force Reset 5:Yes(Reset), 0~4,6,7:No(Normal), | | 7 | 0 | - |
| 556 | Sub system Busy Check 0:Disable, 1:Enable | | 1 | 1 | - |
| 557 | Sub system Blanking (for DEBUG 0:Normal, 1:Main, 2:Sub, 3:Both) | | 3 | 0 | Subsys |
| 558 | HDMI Output clock invert 0:Normal(Rising edge), 1:Invert(Falling edge) | | 1 | 0 | HDMI |
| 559 | HDMI OUTPUT FORMAT (0:RGB4:4:4, 1/2:YCbCr4:4:4) | * YCbCr4:2:2 unused (9/1) | 2 | 2 | HDMI |
| 560 | Sub system status [00h]: Signal, Panel frame rate, Color systerr | | - | - | - |
| 561 | Sub system status [01h]: Input signal mode | | - | - | - |
| 562 | Sub system status [02h]: H.Freq.(H) | | - | - | - |
| 563 | Sub system status [03h]: H.Freq.(L) | | - | - | - |
| 564 | Sub system status [04h]: V.Freq.(H) | | - | - | - |
| 565 | Sub system status [05h]: V.Freq.(L) | | - | - | - |
| 566 | Sub system status [06h]: V.Total(H) | | - | - | - |
| 567 | Sub system status [07h]: V.Total(L) | | - | - | - |
| 568 | Sub system status [08h]: (OSD mode) | | - | - | - |
| 569 | Sub system status [09h]: (Factory menu) | | - | - | - |
| 570 | Sub system status [0Ah]: Teletext status(H) | | - | - | - |
| 571 | Sub system status [0Bh]: Teletext status(L) | | - | - | - |
| 572 | Sub system status [0Ch]: WSS info. | | - | - | - |
| 573 | Sub system status [0Dh]: CNI code(H) | | - | - | - |
| 574 | Sub system status [0Eh]: CNI code(L) | | - | - | - |
| 575 | Sub system status [0Fh]: NI code(H) | | - | - | - |
| 576 | Sub system status [10h]: NI code(L) | | - | - | - |
| 577 | Sub system status [11h]: Version(H) | | - | - | - |
| 578 | Sub system status [12h]: Version(L) | | - | - | - |
| 579 | Sub system "Status-read" request available (0:No 1:Yes) | | 1 | 1 | - |
| 580 | Sub system "OSD-packet" refresh available (0:No 1:Yes) | | 1 | 0 | - |
| 581 | Sub system "Control-packet" refresh available (0:No 1:Yes) | | 1 | 0 | - |
| 582 | Inp.Mode (0-2:AUTO, 3-10:576i/480i/576p/480p/720p60/1080i50/60/720p50 | | 10 | 0 | - |
| 583 | Sub system H.B. stop count | | 254 | 0 | - |
| 584 | Force Sub Video Decoder ON mode | | 1 | 0 | - |
| 585 | No signal Power-ON DEBUG mode | | 1 | 0 | - |
| 586 | Panel Blanking Enable (when the input signal is changed) | | 1 | 0 | - |
| 587 | Input H.Freq.(Subsys-02&03h / 10) * cutoff below decimal point (31.5kHz -> "31" | | - | - | - |
| 588 | Input V.Freq.(Subsys-04&05h / 10) * cutoff below decimal point (59.9Hz -> "59" | | - | - | - |
| 589 | IIC BUS Data/Clock Open(0:Close, 1:Open) | | 1 | 0 | M30627 |
| 590 | HDMI EDID WRITE ENABLE | | 1 | 0 | M30627 |
| 591 | PDP-BLK ON/OFF | 1:ON, 0:OFF | 1 | 0 | PDP |
| 592 | RS232C Terminal control mode 0:Terminal, 1:Genesis, 2:DTT(Write) | Reserved for Australia DTT | 2 | 1 | M30627 |
| 593 | Reset function of accumulation time for LCD Panel | 0:Normal 1:Reset | 1 | 0 | M30627 |
| 594 | Accumulation time for Panel (hours) | | 65535 | - | PDP |
| 595 | Display of Panel map version | | 255 | - | PDP |
| 596 | W/B Initialize | | 1 | - | M30627 |
| 597 | Gain adjustment (Calibration) | | 1 | - | - |
| 598 | EEPROM Initialize(0:No, 1:Yes) | | 1 | 0 | M30627 |
| 599 | Enter to adjust menu(2) | | - | - | M30627 |
| 600 | Enter to service menu of Sub-system | | - | - | FLI8538 |

42PD9800TA (FW1)

| Item | Power Unit Vs Adjustment | |
|-------------|---|---|
| Preparation | | Procedure |
| (1) | Turn on the set and perform pre-heat run more than 1 min on burn-in screen. | (1) Turn Vs ADJ to adjust Vs voltage to be within $\pm 0.1V$ of the value specified in the label on the panel. ① Adjust within $\pm 1V$ at Vs1 ② Adjust within $\pm 0.1V$ at Vs2 |
| (2) | Connect voltmeter leads to Vs and GND test points of the power unit. | (2) Reconfirm that Vs voltage remains within $\pm 0.45V$ of the specified value. Readjust if it's outside of the margin. Label example <div style="border: 1px solid black; padding: 5px; width: fit-content;"> <p><LOT>N6 Vs= 80.0V Va=60.0V Vw=140.0V Vx=60.0V</p> </div> |



42PD9800TA (FW1)

Instructions in software renewal

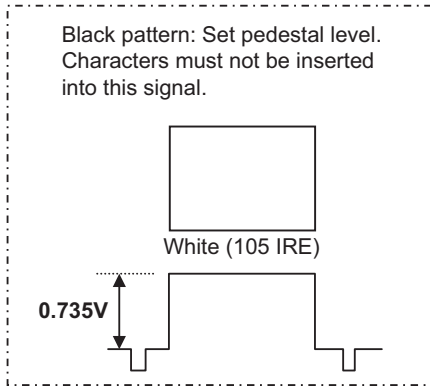
After software version up, set the following lists for reference.

Service adjustment items by I²C-bus control (MAIN (1) Part)

| No. | Function | | Factory setting | Dealer setting |
|-----|---|-----------------------|-----------------|--------------------------------|
| 430 | Channel Select | 0 CCIR | 0 | 0 |
| | | 1 CHINA | | |
| 434 | Australia Preset | 0 None | 0 | 1 |
| | | 1 Yes | | |
| 445 | DTT Function Available | 0 Not Available | 0 | 0 |
| | | 1 Available | | |
| 509 | Sub Video (SAA7117A) / RGB available | 0 SUB:None / RGB:None | 1 | 1 |
| | | 1 SUB:Yes / RGB:Yes | | |
| | | 2 SUB:None / RGB:Yes | | |
| | | 3 SUB:Yes / RGB:None | | |
| 399 | Custom tuning | 0 SINGAPORE | 3 | SINGAPORE : 0 HONG KONG : 1 |
| | | 1 HONG_KONG | | |
| | | 2 AUSTRALIA | | |
| | | 3 CHINA | | |
| | | 4 Reserved | | |

42PD9800TA (FW1)

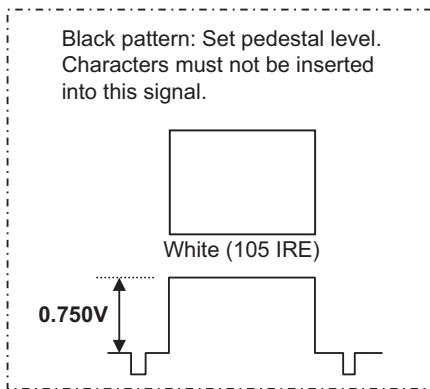
| Item | | Amplitude Adjustment (Composite PAL) | |
|-------------|--|--------------------------------------|--|
| Preparation | | Procedure | |
| (1) | Input Composite PAL amplitude adjustment signal into AV3 terminal. | (1) | Receive Composite PAL adjustment signal and indicate Service Adjustment Menu.(Main (1)) |
| | | (2) | Select No.597 of Service Adjustment Menu. Press [OK] key more than 2 seconds to start the automatic adjustment. The adjustment completes when the OSD reappears. |



[Note] Never adjust without use of the specified signal.

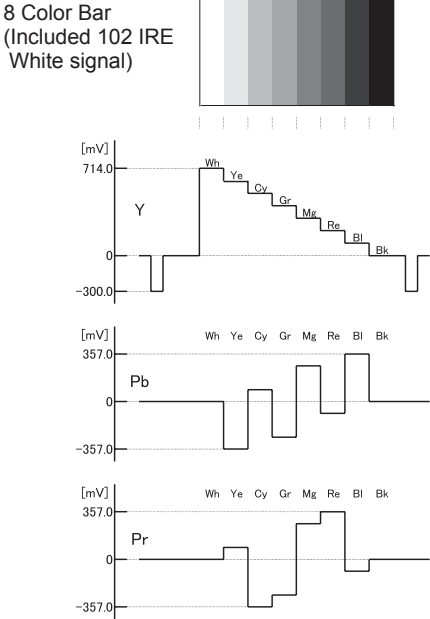
If that were done by mistake, the picture would become abnormal in black level, contrast and color.
In this case, it will be recovered by re-adjustment in the specified way.

| Item | | Amplitude Adjustment (Composite NTSC) | |
|-------------|---|---------------------------------------|--|
| Preparation | | Procedure | |
| (1) | Input Composite NTSC adjustment signal into AV3 terminal. | (1) | Receive Composite NTSC adjustment signal, and indicate Service Adjustment Menu. (Main (1)) |
| | | (2) | Select No.597 of Service Adjustment Menu. Press [OK] key more than 2 seconds to start the automatic adjustment. The adjustment completes when the indication [Auto Mode] at the bottom of the screen disappears. |



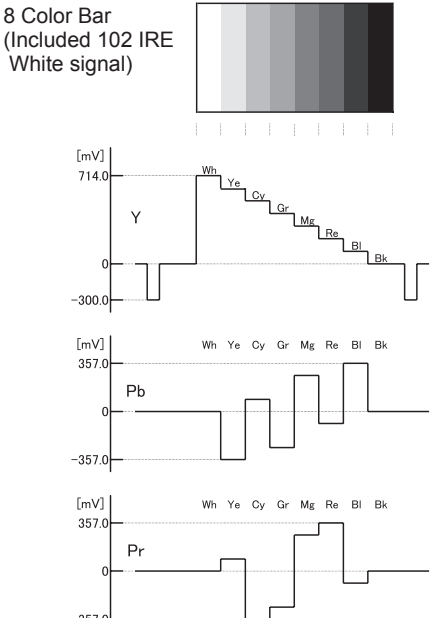
[Note] Never adjust without use of the specified signal.

If that were done by mistake, the picture would become abnormal in black level, contrast and color.
In this case, it will be recovered by re-adjustment in the specified way.

| Item | Amplitude Adjustment (576p) | |
|-------------|--|--|
| Preparation | | Procedure |
| (1) | Input 576p adjustment signal into AV1 terminal.  <p>8 Color Bar (Included 102 IRE White signal)</p> <p>Y</p> <p>Pb</p> <p>Pr</p> | (1) Receive 576p adjustment signal, and indicate Service Adjustment Menu.(Main (1)) (2) Select No.597 of Service Adjustment Menu. Press [OK] key more than 2 seconds to start the automatic adjustment. The adjustment completes when the indication [Auto Mode] at the bottom of the screen disappears. |

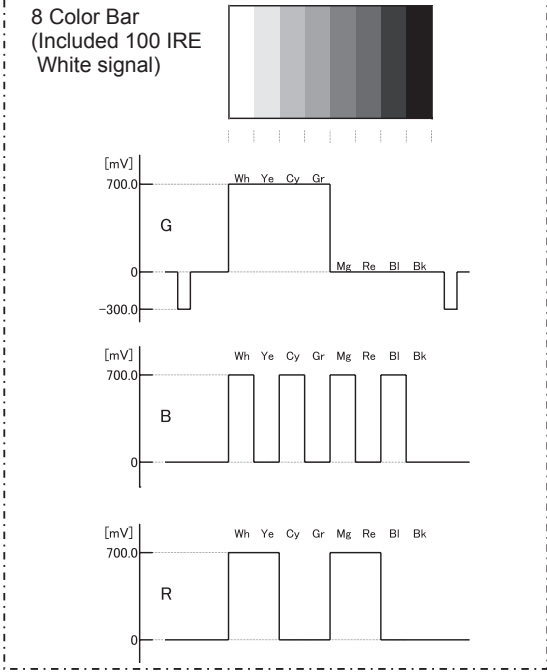
[Note] Never adjust without use of the specified signal.

If that were done by mistake, the picture would become abnormal in black level, contrast and color.
 In this case, it will be recovered by re-adjustment in the specified way.

| Item | Amplitude Adjustment (576i) | |
|-------------|--|--|
| Preparation | | Procedure |
| (1) | Input 576i adjustment signal into AV1 terminal.  <p>8 Color Bar (Included 102 IRE White signal)</p> <p>Y</p> <p>Pb</p> <p>Pr</p> | (1) Receive 576i adjustment signal, and indicate Service Adjustment Menu. (2) Select No.597 of Service Adjustment Menu. Press [OK] key more than 2 seconds to start the automatic adjustment. The adjustment completes when the indication [Auto Mode] at the bottom of the screen disappears. |

[Note] Never adjust without use of the specified signal.

If that were done by mistake, the picture would become abnormal in black level, contrast and color.
 In this case, it will be recovered by re-adjustment in the specified way.

| Amplitude Adjustment (PC D-Sub input) | |
|---|--|
| Item | |
| Preparation | |
| (1) | Input RGB amplitude adjustment signal of VGA (60Hz) into RGB [D-sub] terminal. |
| <div>8 Color Bar (Included 100 IRE White signal)</div>  <p>The figure shows an 8-color bar with labels Wh, Ye, Cy, Gr, Mg, Re, Bl, Bk. Below it are three waveforms for G, B, and R channels. The G waveform shows a pulse from -300.0 to 700.0 mV. The B and R waveforms show pulses from 0 to 700.0 mV. The x-axis for all waveforms is labeled with the color bar labels: Wh, Ye, Cy, Gr, Mg, Re, Bl, Bk.</p> | |
| Procedure | |
| (1) | Receive PC signal (VGA [60Hz]), and indicate Service Adjustment Menu.(Main) |
| (2) | Select No.597 of Service Adjustment Menu. Press [OK] key more than 2 seconds to start the automatic adjustment. The adjustment completes when the OSD reappears. |

[Note] Never adjust without use of the specified signal.
If that were done by mistake, the picture would become abnormal in black level, contrast and color.
In this case, it will be recovered by re-adjustment in the specified way.

42PD9800TA (FW1)

| Item | | Video Color Temperature Adjustment (Cool) | |
|-------------------------|--|---|---|
| Adjustment Preparations | | Adjustment Procedures | |
| (1) | Set the signal generator output as All White. | (1) | Perform the following adjustment with the remote control |
| (2) | Component signal (480i) Video level : 0.700Vp-p Sync level : 0.300Vp-p Setup level : 0V | (2) | Set the CRT color analyzer (CA100) at the center of the panel. |
| (3) | Picture Menu is set as [RESET]. Picture Mode : Dynamic | (3) | Ensure that the service adjustment menu (Main (2)) No. 0, 1, 2, are all set as 255. (To display Main(2) menu, press "OK" button in Main(1) menu. No.599.) |
| (4) | Confirm that the mode is set as Factory Adjustment mode. | (4) | After receiving the video signal, step down the two (or one) among adjustment No. 0, 1, 2 and adjust the values as shown below. Note) At least one of the data should be 255. |
| | | <div style="border: 1px solid black; padding: 10px; text-align: center;"> <p>Specification</p> <p>Video color temperature (Cool)</p> <p>x=0.272±0.005</p> <p>y=0.277±0.005</p> </div> | |

| Item | | Video Color Temperature Adjustment (Normal) | |
|-------------|--|--|--|
| Preparation | | Procedure | |
| (1) | Set signal generator output as All White (Window ratio: 100%). | (1) | Perform the following adjustment with the remote control. |
| (2) | Component signal (480i) Video level : 0.700Vp-p Sync level : 0.300Vp-p Setup level : 0V | (2) | Set the CRT Color Analyzer (CA-100) at the center of the panel. |
| (3) | Check that Picture Menu is set as [RESET] mode. Picture Mode : Dynamic | (3) | Ensure that service adjustment menu (Main(2)) No. 3, 4, 5 are all set as 255. |
| (4) | Set into Factory Adjustment mode. | (4) | After receiving the video signal, step down the two (or one) among adjustment No. 3, 4, 5 and adjust the values as shown below. (Note) At least one of the data should be 255. |
| | | <div style="border: 1px dashed black; padding: 10px; text-align: center;"> <p><Specification></p> <p>Video color Color temperature (Normal)</p> <p>x=0.285±0.005</p> <p>y=0.293±0.005</p> </div> | |

42PD9800TA (FW1)

| Item | | Video Color Temperature Adjustment (Warm) | |
|-------------|--|---|--|
| Preparation | | Procedure | |
| (1) | Set signal generator output as All White (Window ratio: 100%). | (1) | Perform the following adjustment with the remote control. |
| (2) | Component signal (480i) Video level : 0.700Vp-p Sync level : 0.300Vp-p Setup level : 0V | (2) | Set the CRT Color Analyzer (CA100) at the center of the panel. |
| (3) | Check that Picture Menu is set as [RESET] mode. Picture Mode : Dynamic | (3) | Ensure that service adjustment menu (Main(2)) No. 6, 7, 8 are all set as 255. |
| (4) | Set into Factory Adjustment mode. | (4) | After receiving the video signal, step down the two (or one) among adjustment No. 6, 7, 8 and adjust the values as shown below. (Note) At least one of the data should be 255. |
| | | <div style="border: 1px dashed black; padding: 10px; margin: 10px 0;"> <p><Specification> Video color Color temperature (Warm) x=0.314±0.005 y=0.327±0.005</p> </div> | |

| Item | | PC Color Temperature Adjustment | |
|-------------|--|---------------------------------|--|
| Preparation | | Procedure | |
| (1) | Perform the following adjustment after the video color temperature adjustment. | (1) | Perform the following adjustment with remote control. |
| (2) | Set in Factory Adjustment mode. | (2) | Write the results of the video color temp. adjustment (Cool/ Normal/ Warm) and No. 0, 1, 2, 3, 4, 5, 6, 7, 8 data into Adjustment No. 9, 10, 11, 12, 13, 14, 15, 16, 17 data of Service Adjustment Menu (Main(2)). Ex.) Video adjustment PC adjustment No.0 data → No.9 data No.1 data → No.10 data No.2 data → No.11 data |

7. Troubleshooting

● How to get to Burn-in mode

This mode displays the test patterns of some single color raster in turn. These signals are from built-in generator of panel. So it can be presumed that maybe the panel has some trouble when the screen of Burn-in mode is abnormal.

Using the R-side control buttons with the set turned off (standby) can activate this mode.

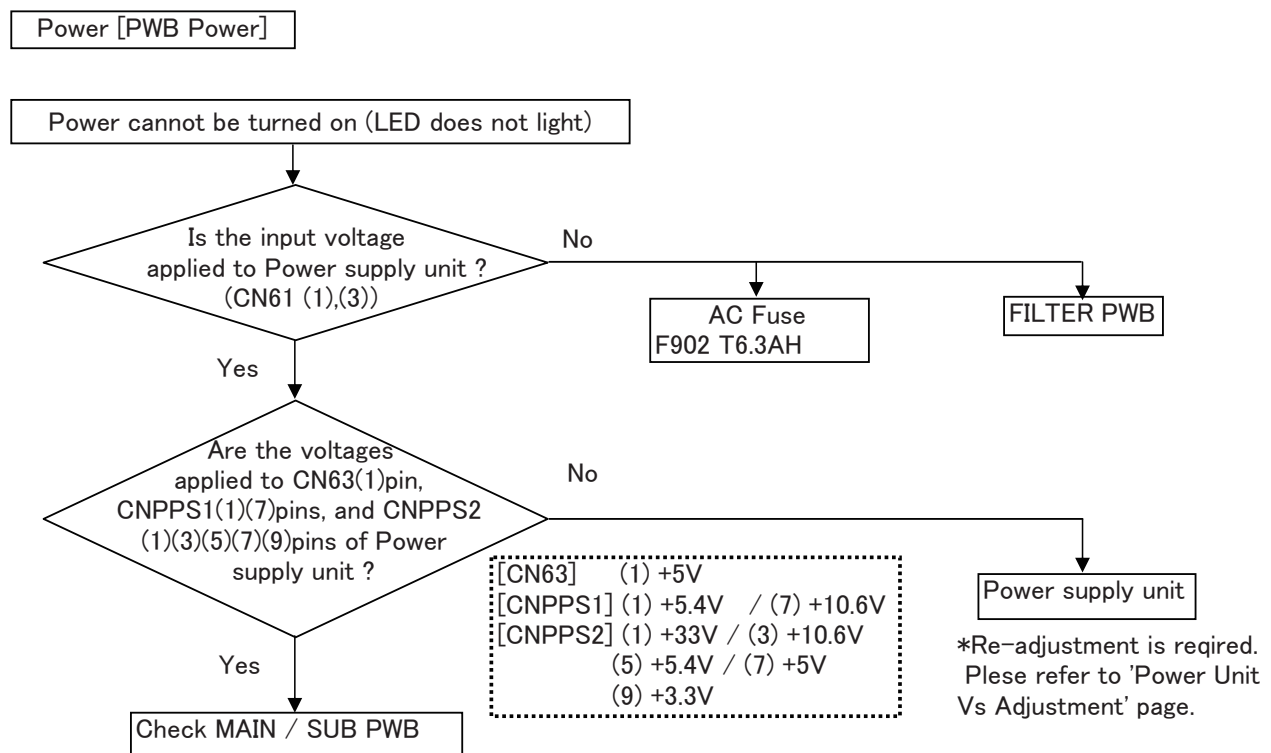
Press the SUB-POWER(⏻) button and VOLUME DOWN(⏮) button at the same time, and hold for more than 5 seconds. (This operation is equal to select service Adjustment Menu No.407 and change data from 0 to 1.)

The set turns on with single color raster and the OSD of [BURN IN: ON].

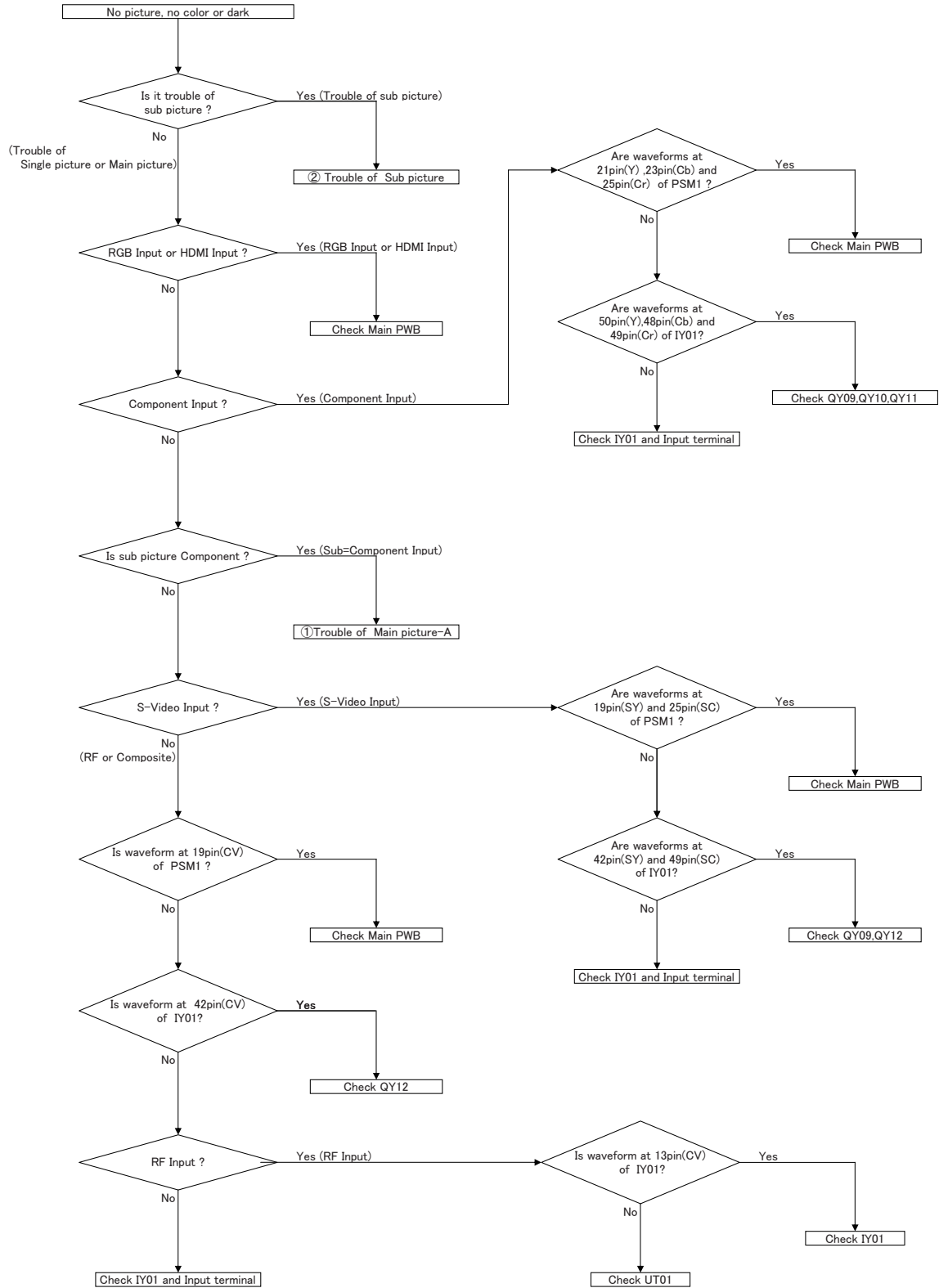
To escape from this mode, press the SUB-POWER(⏻) button and ▲ button at the same time, and hold for more than 5 seconds. Burn-in mode will be released.

● How to check method of the use accumulation time for panel.

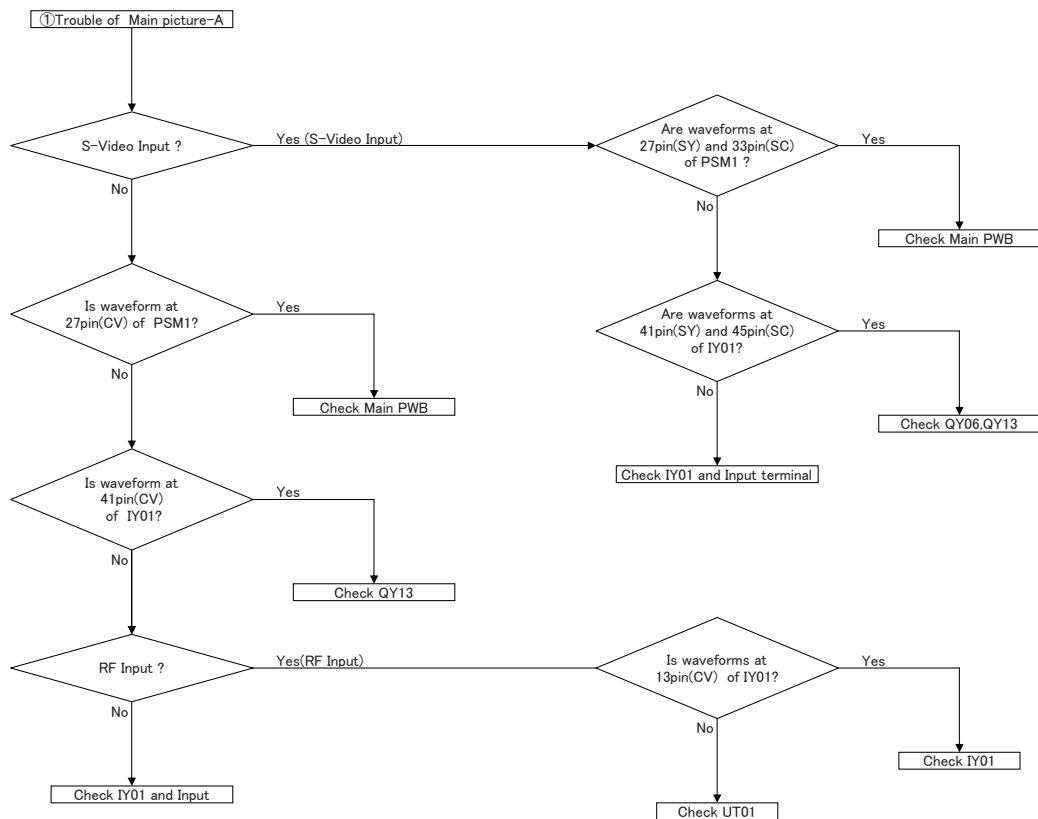
Select No.594 of Service Adjustment Menu.



Main Picture [SUB PWB Circuit]



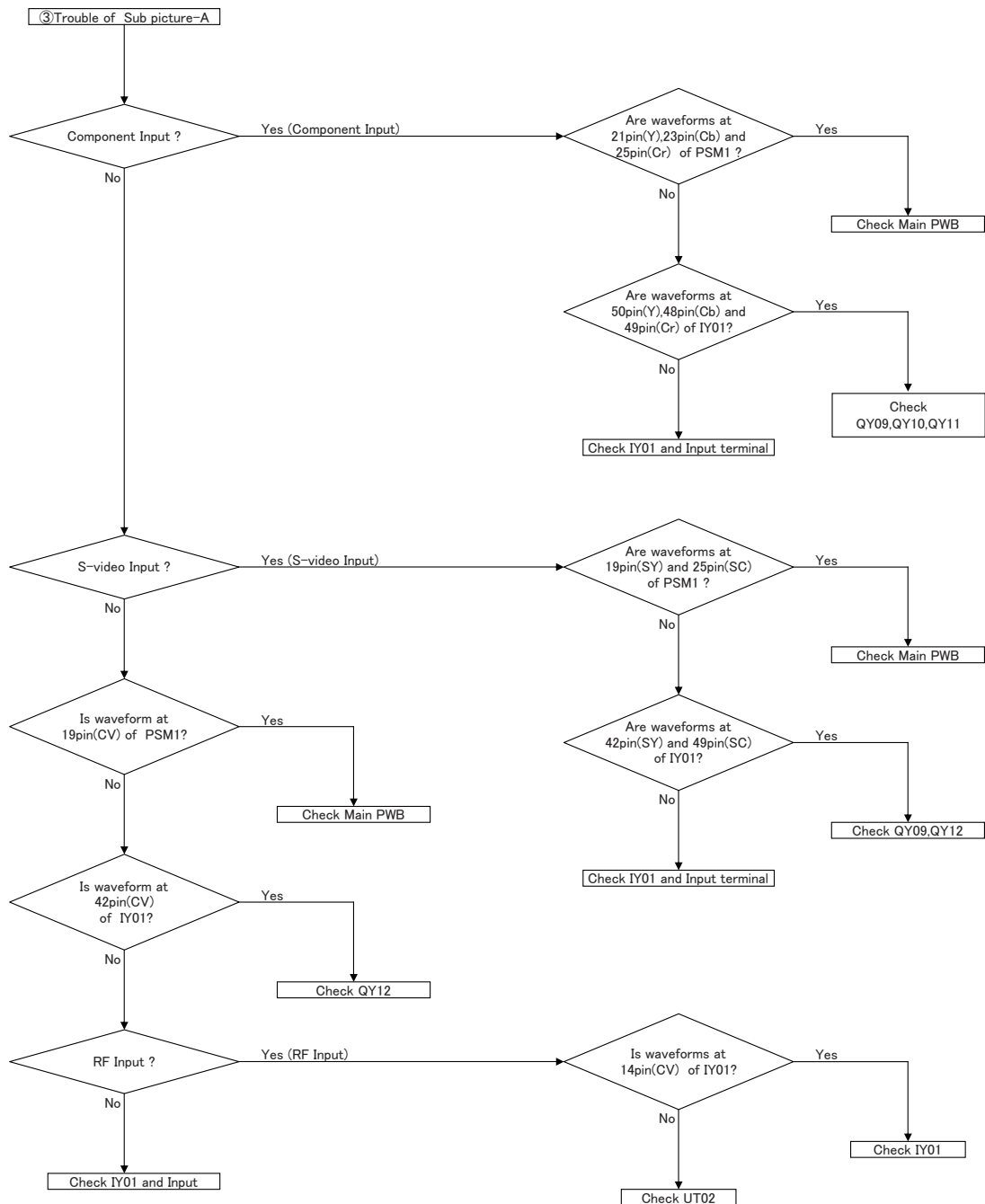
Main Picture [SUB PWB Circuit]

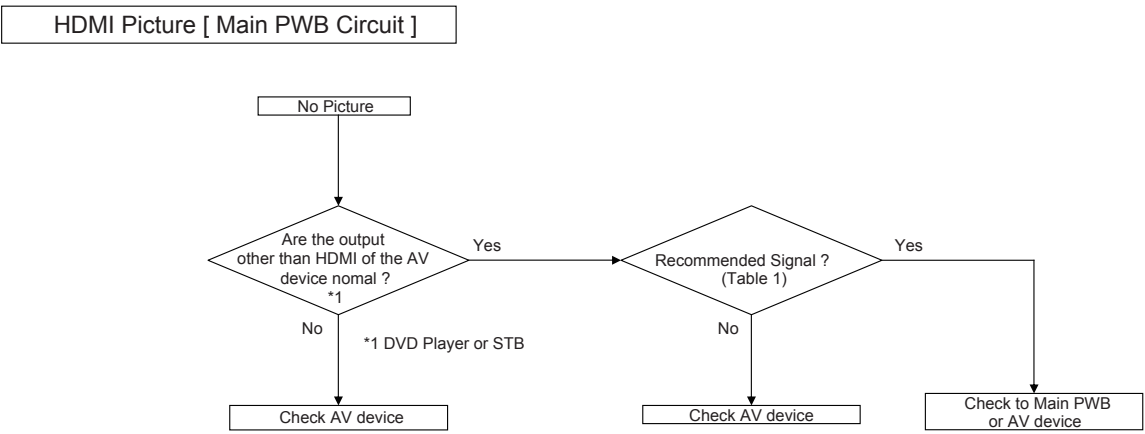
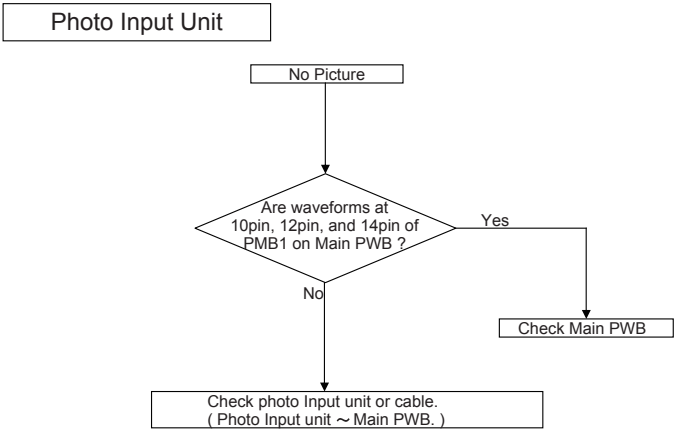


Sub Picture [SUB PWB Circuit]

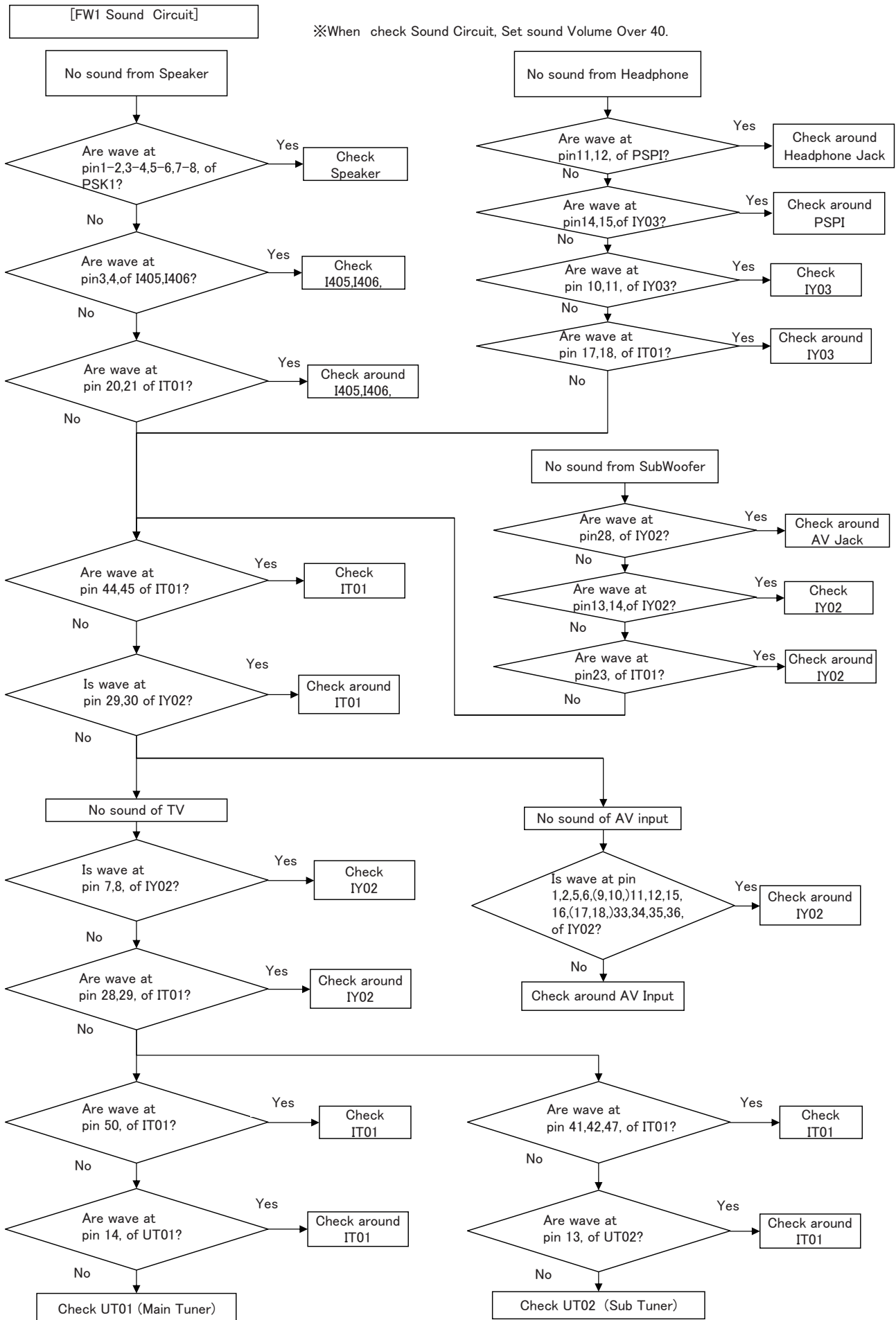


Sub Picture [SUB PWB Circuit]





42PD9800TA (FW1)



42PD9800TA (FW1)

Recommended Signal List

With HDMI input

| No. | Signal mode | | | Horizontal frequency (kHz) | Dot clock frequency (MHz) | Remarks |
|-----|-------------|-----------------|-------------------------|----------------------------|---------------------------|----------|
| | Signal Name | Resolution | Vertical frequency (Hz) | | | |
| 1 | VGA | 640 X 480 | 59.94 | 31.47 | 25.18 | EIA-861B |
| 2 | 576i | 720(1440) X 576 | 50.00 | 15.63 | 27.00 | EIA-861B |
| 3 | 480i | 720(1440) X 480 | 59.94 | 15.73 | 27.00 | EIA-861B |
| 4 | 576p | 720 X 576 | 50.00 | 31.25 | 27.00 | EIA-861B |
| 5 | 480p | 720 X 480 | 59.94 | 31.47 | 27.00 | EIA-861B |
| 6 | 1080i/50 | 1920 X 1080 | 50.00 | 28.13 | 74.25 | EIA-861B |
| 7 | 1080i/60 | 1920 X 1080 | 60.00 | 33.75 | 74.25 | EIA-861B |
| 8 | 720p/50 | 1280 X 720 | 50.00 | 37.50 | 74.25 | EIA-861B |
| 9 | 720p/60 | 1280 X 720 | 60.00 | 45.00 | 74.25 | EIA-861B |
| 10 | 1080p/50 | 1920 X 1080 | 50.00 | 56.25 | 148.50 | EIA-861B |
| 11 | 1080p/60 | 1920 X 1080 | 60.00 | 67.50 | 148.50 | EIA-861B |

Table 1

With RGB input

| No. | Signal mode | | | Horizontal frequency (kHz) | Dot clock frequency (MHz) | Remarks |
|-----|-------------|-------------|-------------------------|----------------------------|---------------------------|----------------------|
| | Signal Name | Resolution | Vertical frequency (Hz) | | | |
| 1 | VGA | 640 X 400 | 70.08 | 31.47 | 25.18 | |
| 2 | | 640 X 480 | 59.94 | 31.47 | 25.18 | |
| 3 | VESA | 800 X 600 | 60.32 | 37.88 | 40.00 | |
| 4 | | 1024 X 768 | 60.00 | 48.36 | 65.00 | |
| 5 | | 1280 X 1024 | 60.02 | 63.98 | 108.00 | |
| 6 | W-XGA | 1280 X 768 | 59.876 | 47.776 | 79.50 | WXGA Mode : 1280x768 |
| 7 | | 1366 X 768 | 60.015 | 47.712 | 85.50 | WXGA Mode : 1366x768 |

Table 2

8. Self-Diagnosis Function

This chassis has 2 modes of self-diagnosis function.

- (1) PDP panel check mode: It indicates the one latest record of the PDP panel failure with blinking of the power indication light (LED).
- (2) Signal circuit check mode: It indicates the check result on some points of the signal circuit and the history of them with On-Screen Display (OSD).

● PDP panel self-diagnosis function

This function is for a PDP panel failure with no picture.

To enter to this Self-Diagnosis mode, follow the next steps:

Preparation:

- 1) The Power Cord should be connected to AC line and the Main Power switch should be turned on.
- 2) Turn the power off by the SUB-POWER(⏻) button of the monitor or the remote control.

Procedure:

- 1) Press the SUB-POWER(⏻) button and ▼ button on the bottom of the monitor at the same time, and keep it for more than 5 seconds after the power turned on.
- 2) It generates red blinking series of the power indicator light.
- 3) Any operation would cancel the Self -Diagnosis mode.
- 4) The next table shows the PDP PWB in which failure most probably would be allocated according to the number of blinks.

| Number of red blinks of power indication light | Presumed failing PWB of PDP panel |
|---|--------------------------------------|
| 1 | Logic |
| 2 | X-SUS |
| 3 | Y-SUS, SDM |
| 4 | X-SUS, Y-SUS, SDM, PSU |
| 5 | ABUS, ADM, PSU |
| 6 | ADM temperature |
| 7 | ADM temperature |
| 8 | All of above-mentioned PWB's |

SDM: Scan Driver Module

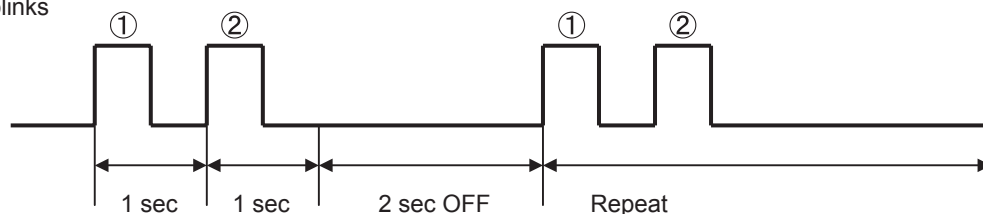
PSU: Power Supply Unit

ADM: Address Driver Module

Note) SDM is permanently contacted to glass part

[Blinking condition of power indication light]

Ex. 2 blinks



● Signal circuit self-diagnosis function

This function is for the failure of the signal circuit, for example the phenomenon as below:

"Sometimes power turns off abnormally." "Sometimes picture disappears abnormally."

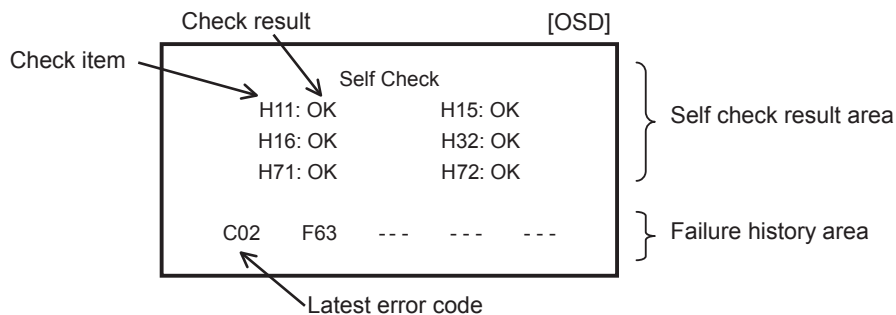
To enter to this Self-Diagnosis mode, follow the next steps:

Preparation:

- 1) The Power Cord should be connected to AC line and the Main Power switch should be turned on.
- 2) Turn the power off by the SUB-POWER(⏻) button of the monitor or the remote control.

Procedure:

- 1) Press the SUB-POWER(⏻) button and INPUT (↵) button on the side of the monitor at the same time, and keep it for more than 5 seconds after the power turned on.
- 2) The monitor will be turned on, and it will display On-Screen Display of the Self-check result and the failure history as below.
- 3) Any operation would cancel the Self -Diagnosis mode.
- 4) The following table shows the OSD symbols and contents of failure PWB in which failure most probably would be allocated according to the number of blinks.



| Code | stored up in failure history | Self checking item | Problem | Phenomenon | Cause |
|------|------------------------------|--------------------|------------------------------------|---|-----------------------------|
| C02 | ○ | — | FAN problem | No picture and sound | FAN Motor has stopped |
| H11 | — | ○ | Tuner problem | Cannot receive the main signal from antenna | Communication error of UT01 |
| H15 | — | ○ | Audio SW IC problem | Cannot receive audio Cannot change input mode | Communication error of IY02 |
| H16 | — | ○ | Video SW IC problem | Cannot receive picture. Cannot change input mode | Communication error of IY01 |
| H32 | — | ○ | Sub video decoder problem | Dark picture Abnormal color Dark picture / No picture | Communication error of I500 |
| H71 | — | ○ | HDMI IC problem | No picture | Communication error of IH05 |
| H72 | — | ○ | Sound processor problem | Cannot receive audio no sound | Communication error of IT01 |
| F63 | ○ | — | I ² C-bus latch problem | Cannot store setting data (Ex. Channel, Volume etc.) | SCL3/SDA3 latched up |

If you clear history of failure, make FACTORY RESET: enter the factory setting mode; press the SUB-POWER(⏻) button and ▲ button on the side of the monitor at the same time. And keep it for more than 5 seconds after the power turned on.

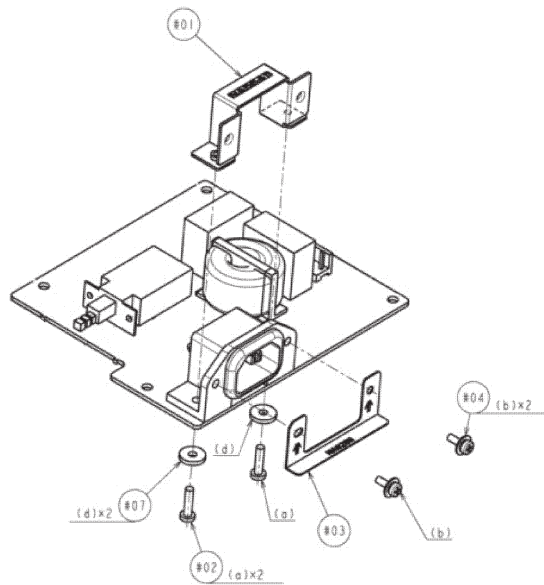
● Cannot insert an antenna cable and an RGB cable in at the same time.

By an objection from the customer whom it is not given to insert the ANT input and an RGB cable, I offer an RGB cable of a thin type to a customer.

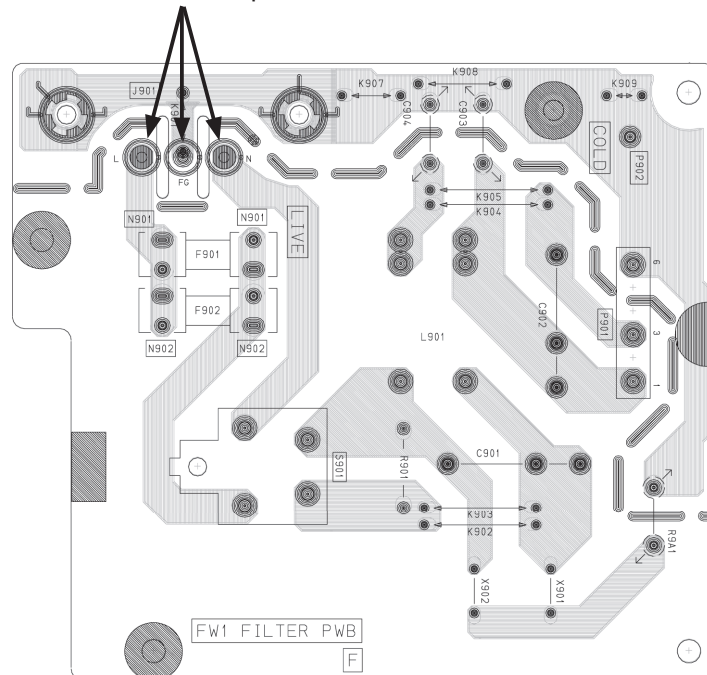
● How to replace AC inlet plug

For safety reason, please follow below procedure when replacing AC inlet plug (J901).

- 1) Remove Filter pwb from TV.
- 2) Remove 4pcs of screws (#04, #02)
(Note: If solder will be found in the "+" portion of the screws, please remove solder first then remove screws.)
- 3) Remove 3 points of solder of AC inlet plug (J901).
- 4) Replace AC inlet plug (J901).
- 5) Fix two metals (#01, #03) by screws (#04, #02). (Note: It is important to fix screws before soldering for avoid stress of soldering portion.)
- 6) Solder by solder iron. (3points)
- 7) Return Filter pwb to TV.



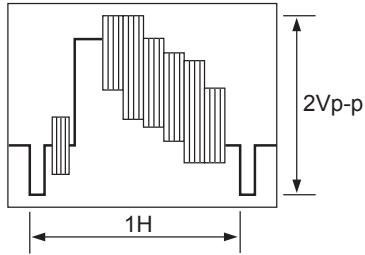
Remove of solder points.



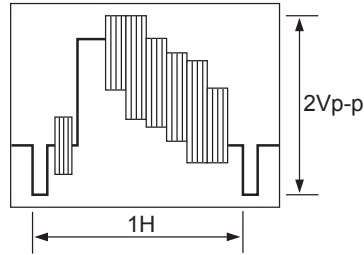
9. Basic circuit diagram

● Waveform

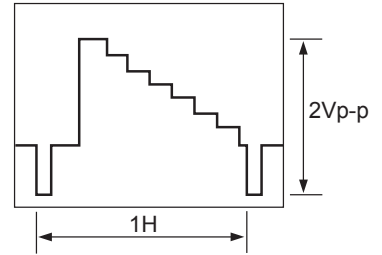
① IY01(MAIN.V)(42) PIN



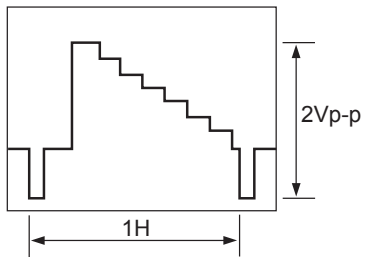
② IY01(SUB.V)(41) PIN



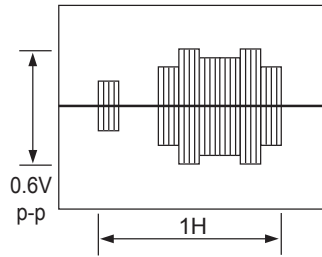
③ IY01 YIN(MAIN S-VIDEO)(42) PIN



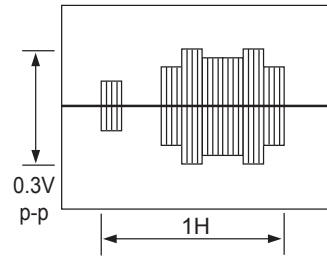
④ IY01 YIN(SUB.S-VIDEO)(41) PIN



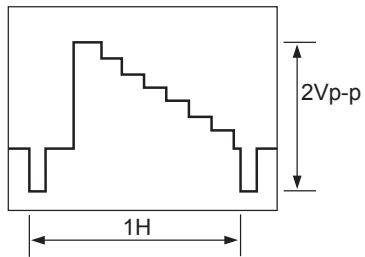
⑤ IY01 CIN(MAIN S-VIDEO)(49) PIN



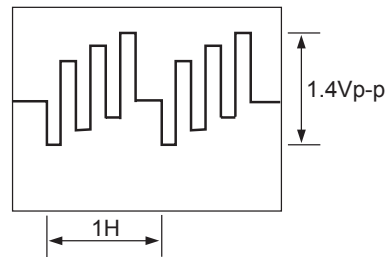
⑤ IY01 CIN(SUB.S-VIDEO)(45) PIN



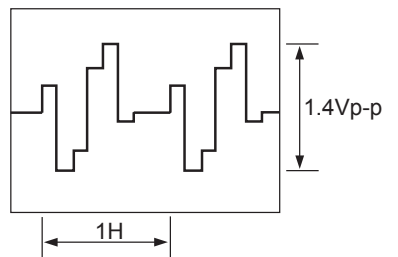
⑥ IY01 (Y)(50) PIN



⑦ IY01(PB)(48)PIN



⑧ IY01(PR)(49)PIN



Basic circuit diagram list

| | |
|---|----|
| PWB assembly MAIN 1 | 41 |
| PWB assembly MAIN 2 | 42 |
| PWB assembly MAIN 3 | 43 |
| PWB assembly MAIN 4 | 44 |
| PWB assembly MAIN 5 | 45 |
| PWB assembly MAIN 6 | 46 |
| PWB assembly MAIN 7 | 47 |
| PWB assembly MAIN 8 | 48 |
| PWB assembly MAIN 9 | 49 |
| PWB assembly MAIN 10 | 50 |
| PWB assembly MAIN 11 | 51 |
| PWB assembly MAIN 12 | 52 |
| PWB assembly SUB 1 | 53 |
| PWB assembly SUB 2 | 54 |
| PWB assembly SUB 3 | 55 |
| PWB assembly SUB 4 (RS232C I/F, Swivel motor drive, sensor) | 56 |
| PWB assembly SUB 5 (CN I/F) | 57 |
| PWB assembly SUB 6 (SWIVEL) | 58 |
| PWB assembly SUB 7 (SD/MMC card I/F) | 59 |
| PWB assembly SUB 8 (LED, Remo-con module) | 60 |
| PWB assembly FILTER | 61 |
| PWB assembly CONTROL | 62 |
| PWB assembly SIDE INPUT | 63 |

* PWB assembly POWER UNIT (stated separately)

6

6

5

5

4

4

3

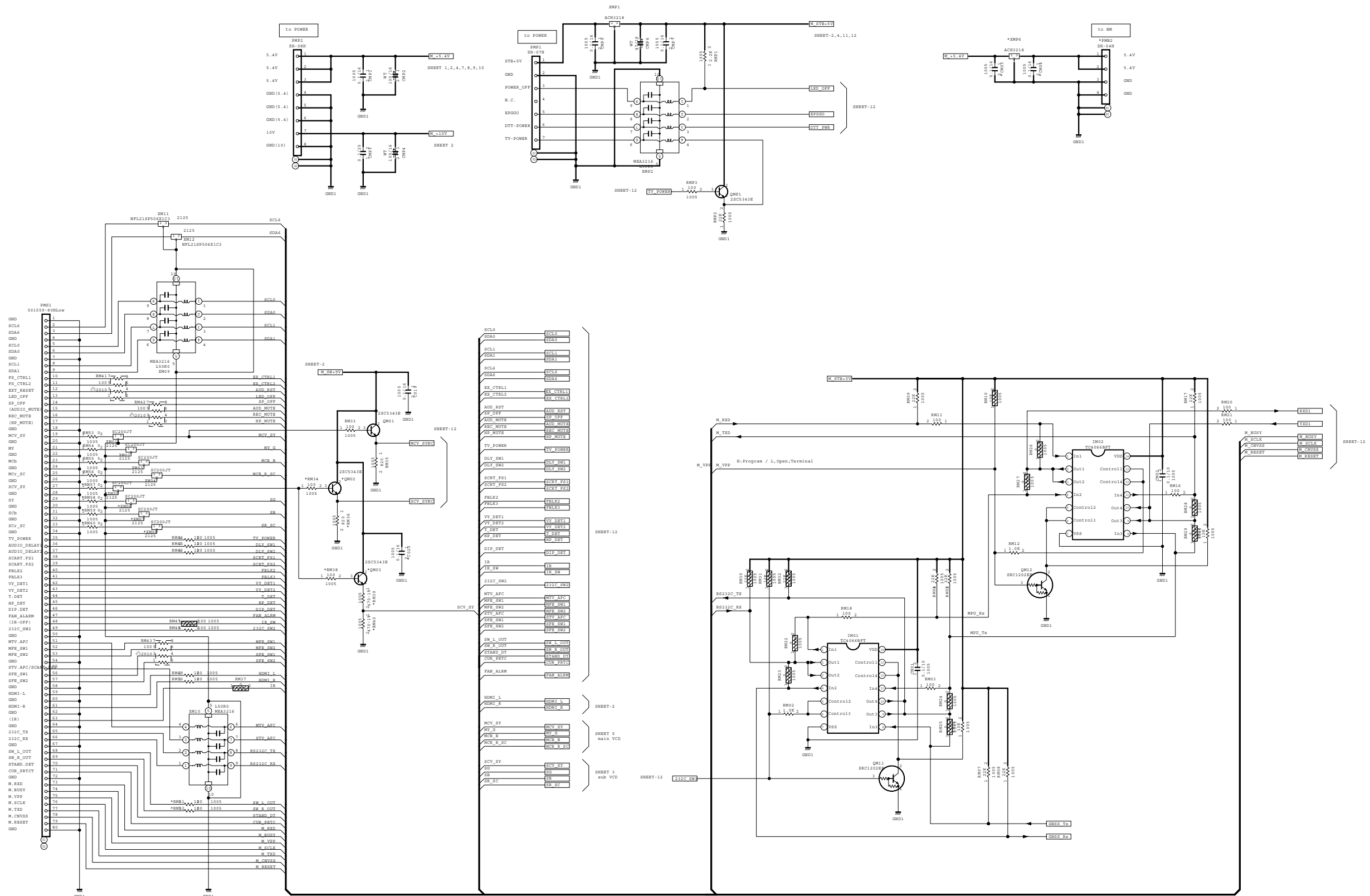
3

2

2

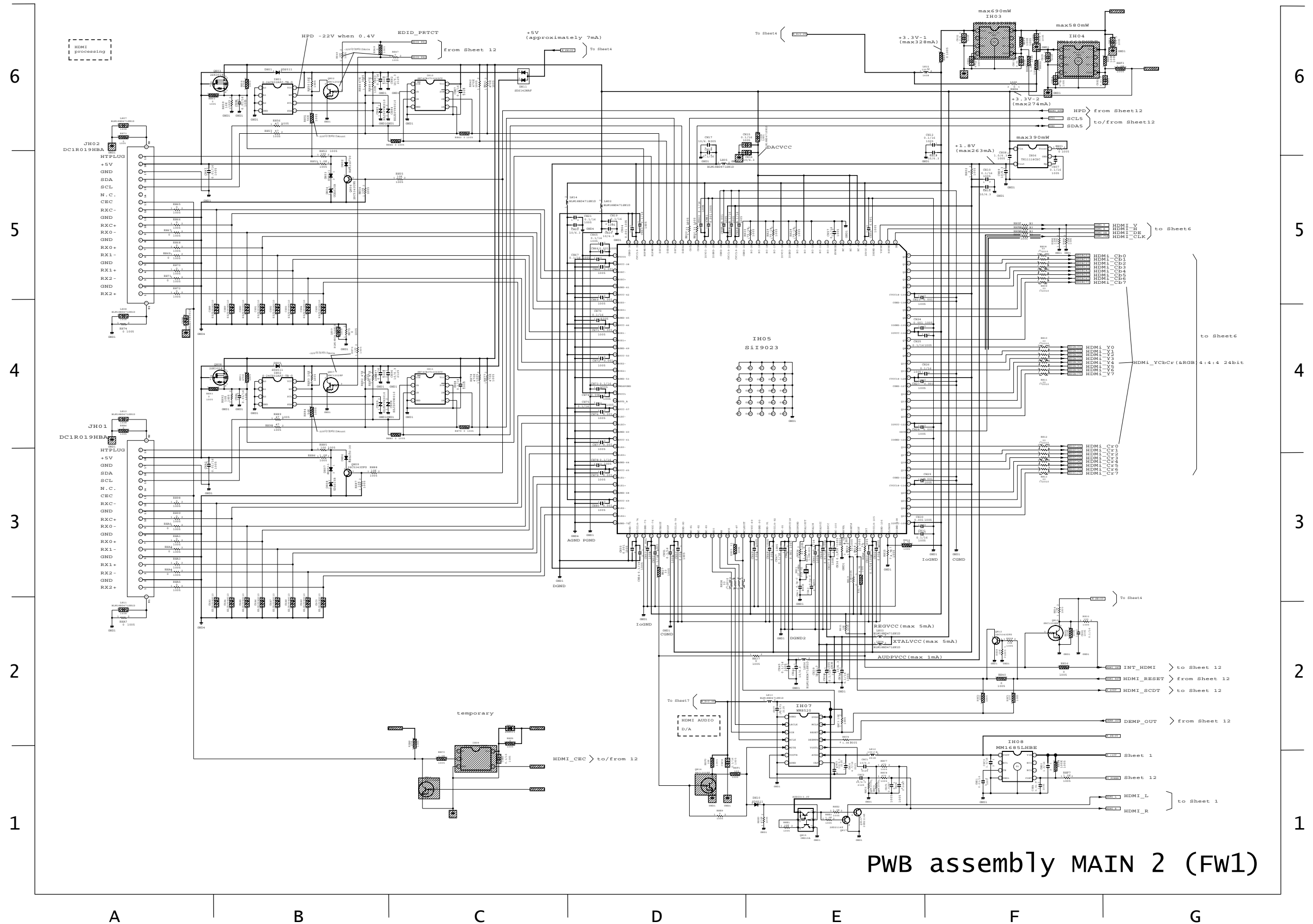
1

1



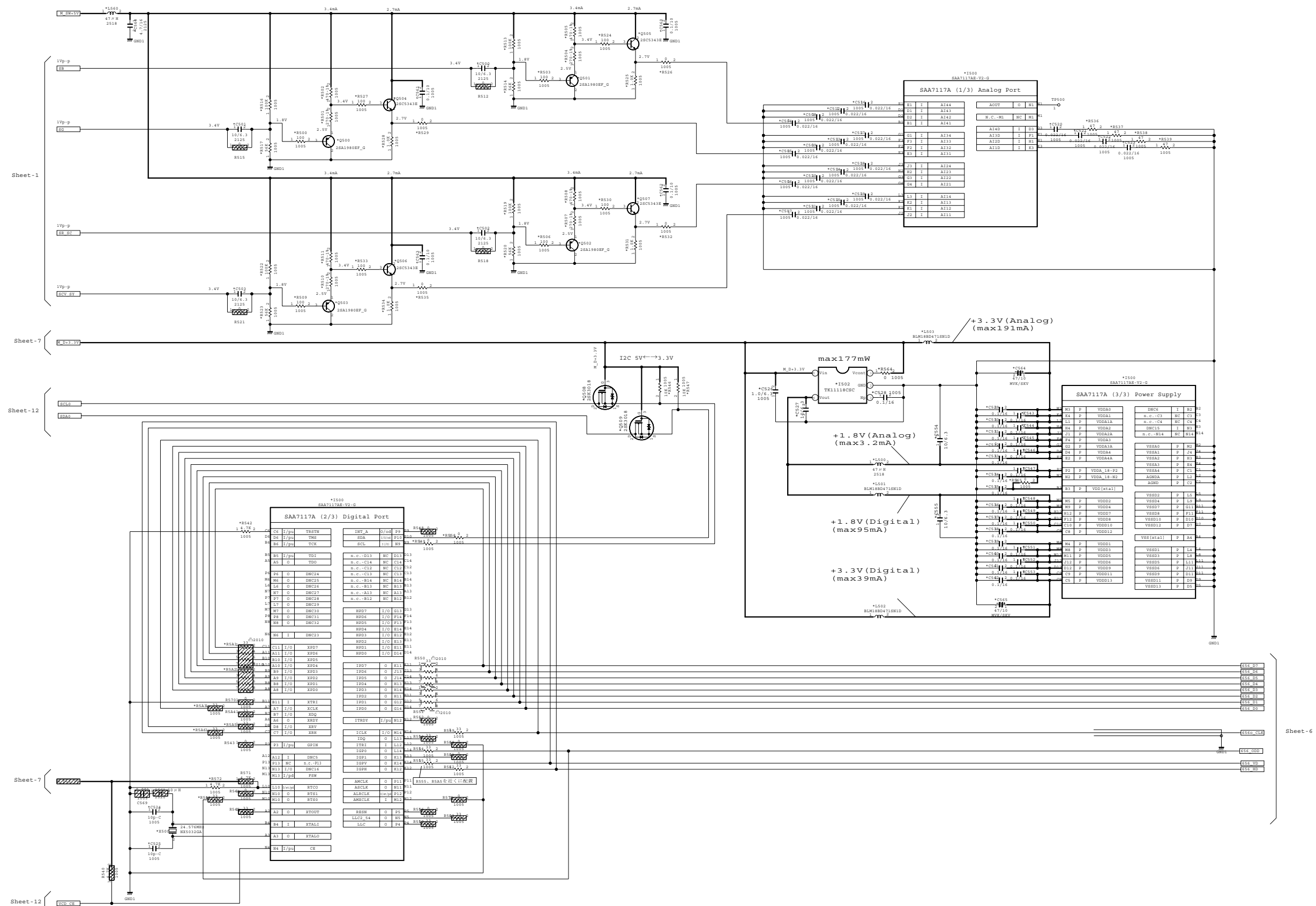
PWB assembly MAIN 1 (FW1)

42PD9800TA (FW1)



PWB assembly MAIN 2 (FW1)

42PD9800TA (FW1)



PWB assembly MAIN 3 (FW1)

6

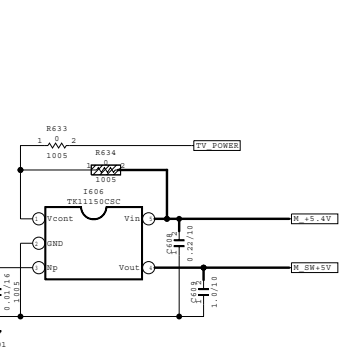
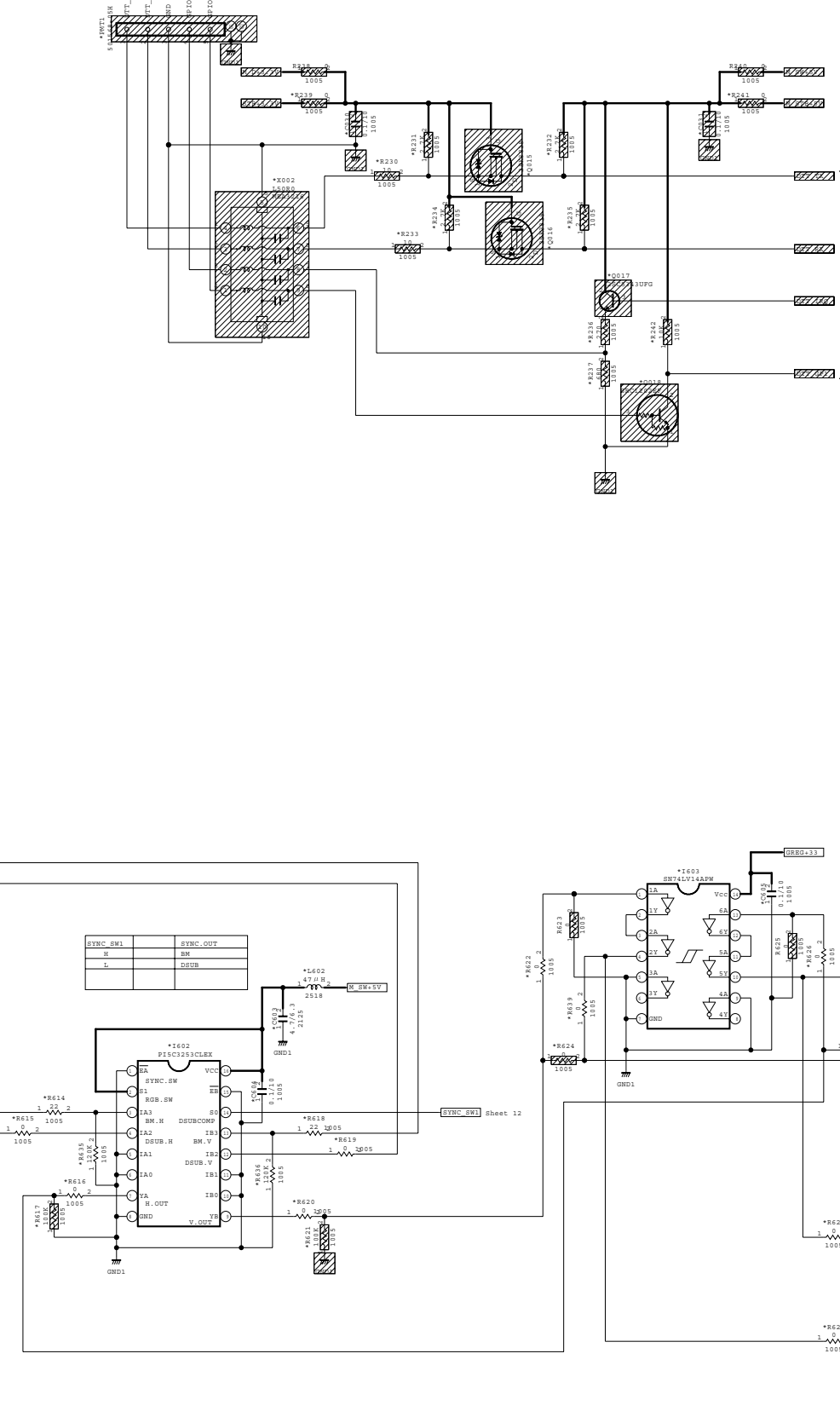
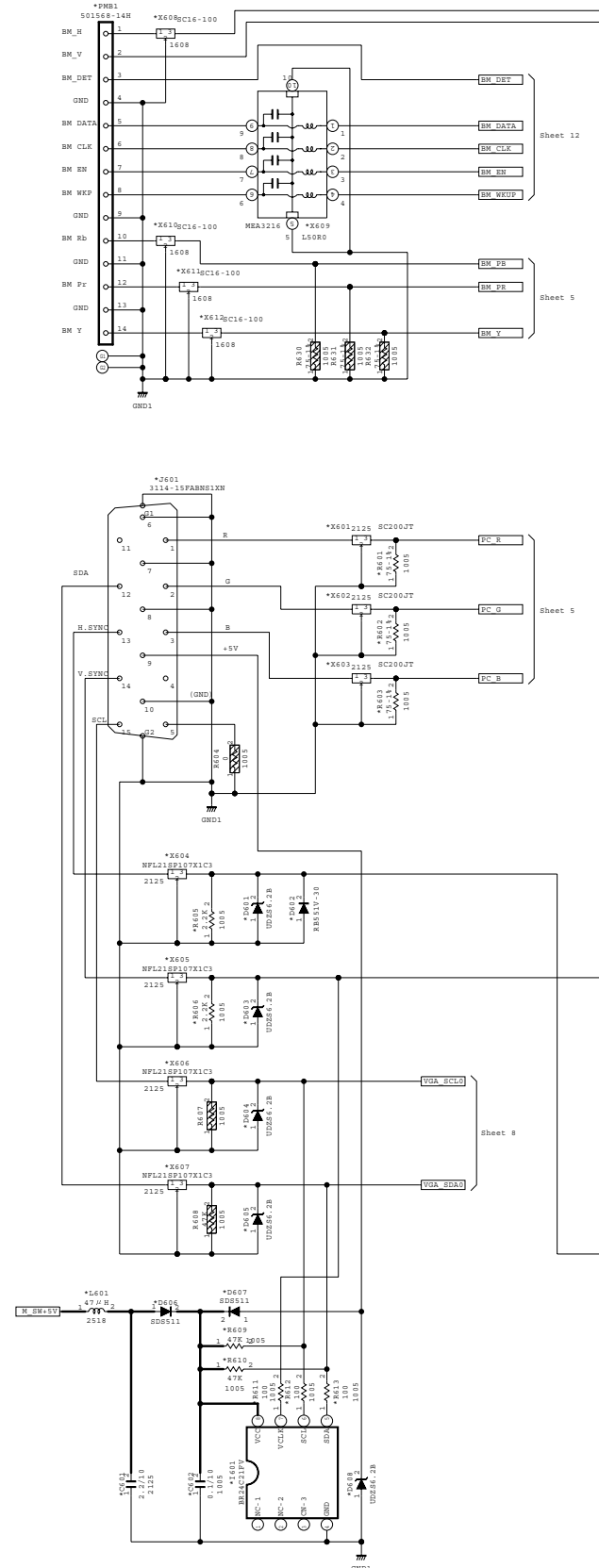
5

4

3

2

1



6

5

4

3

2

1

PWB assembly MAIN 4 (FW1)

A

B

C

D

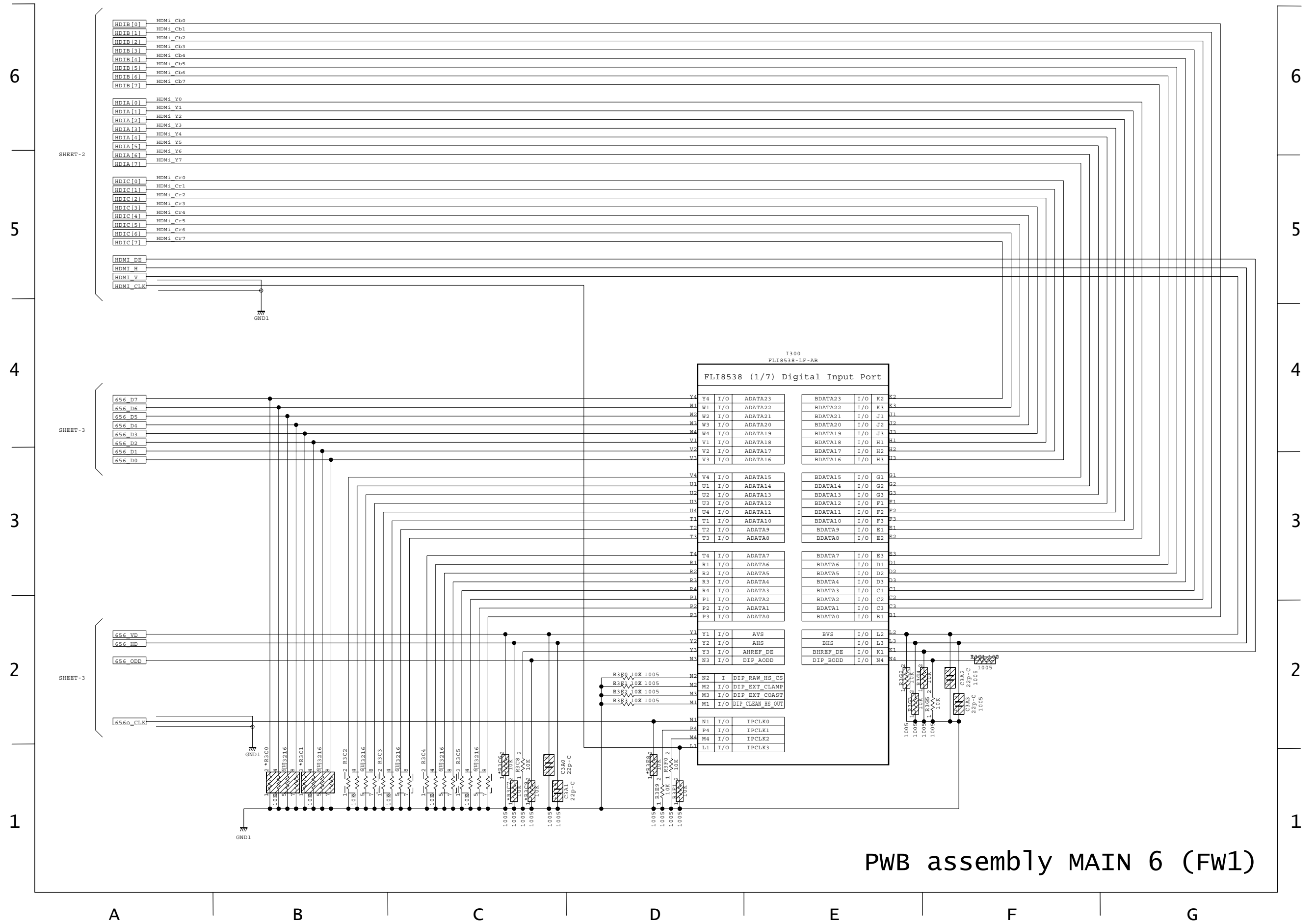
E

F

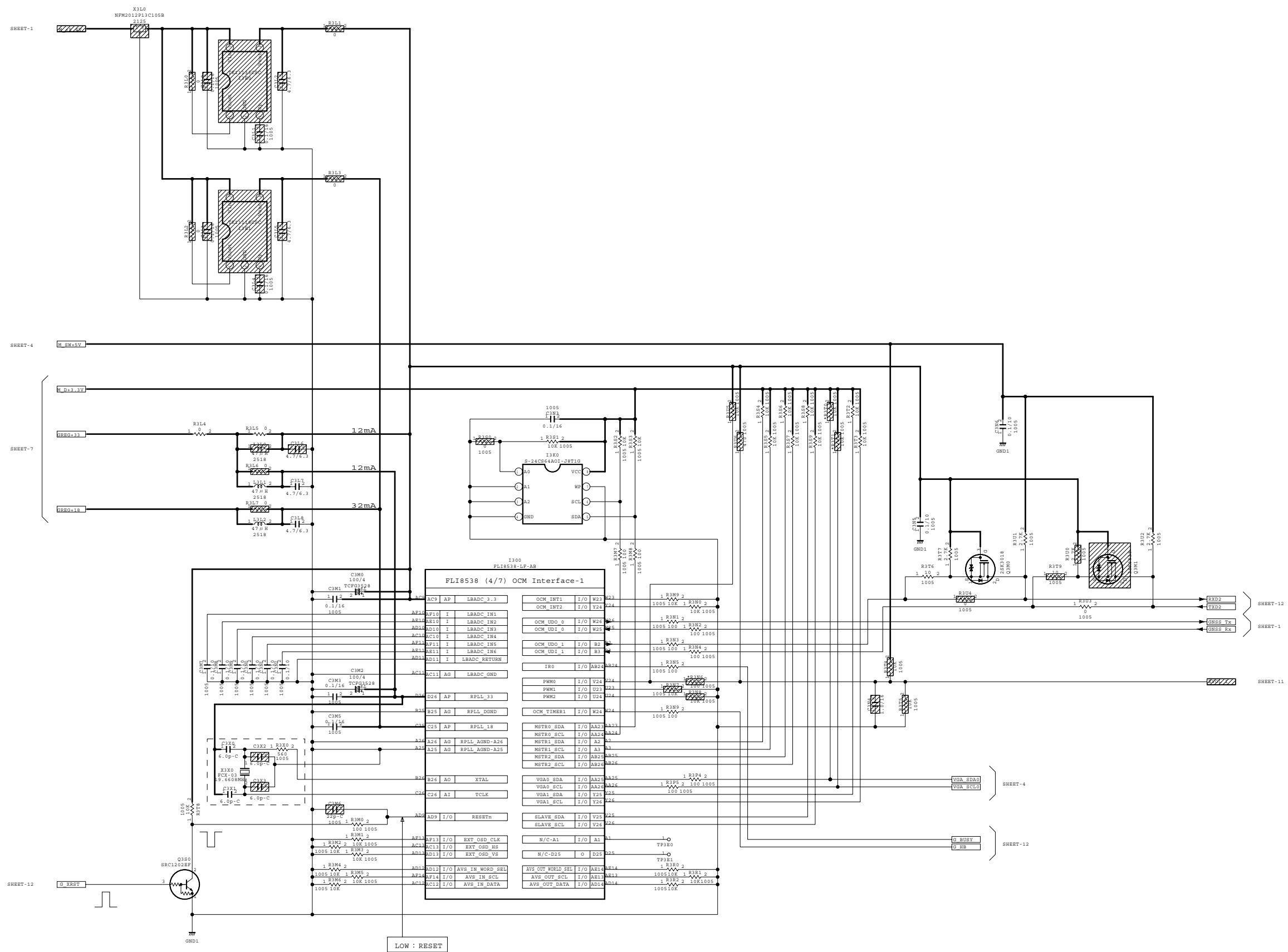
G



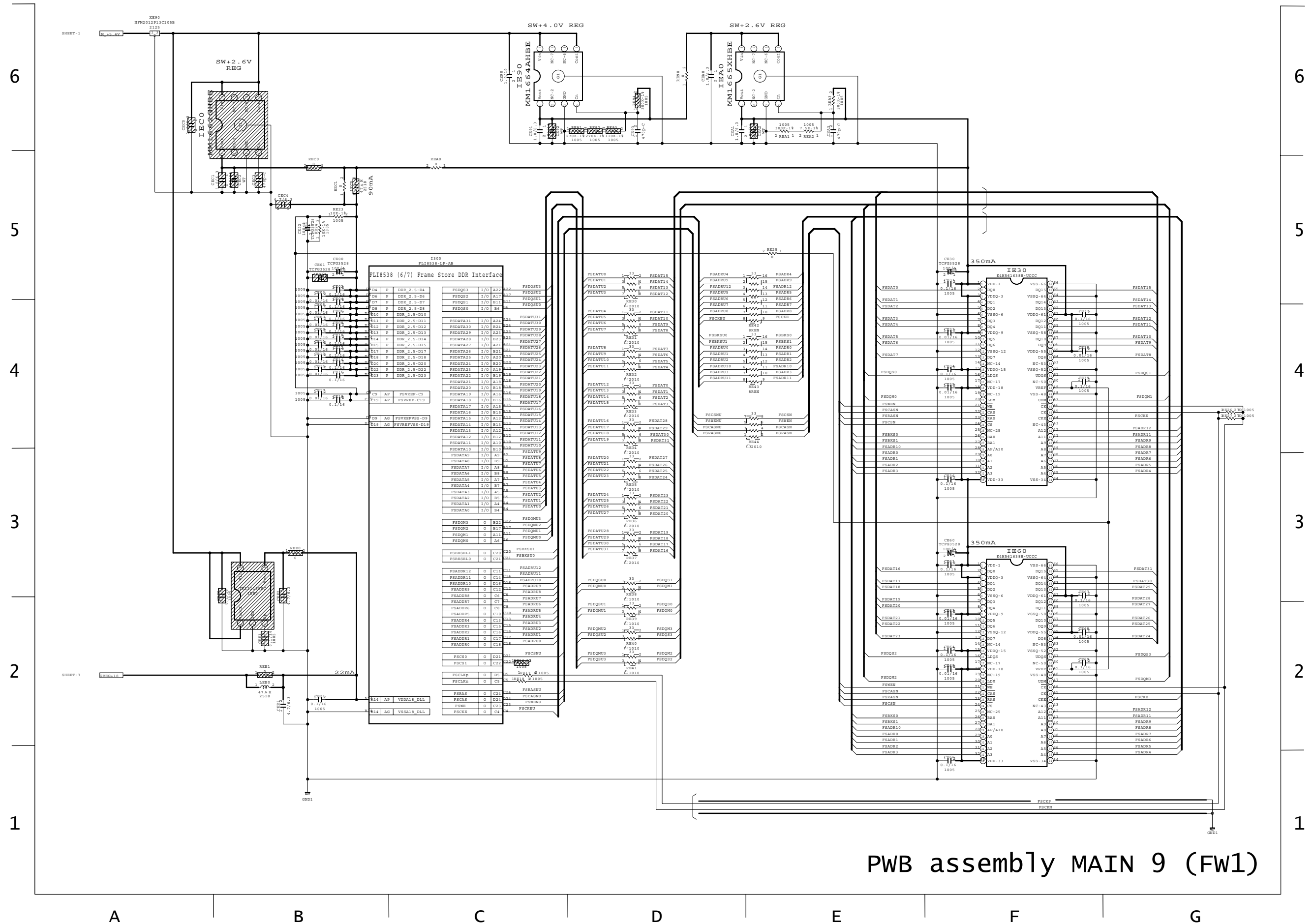
42PD9800TA (FW1)

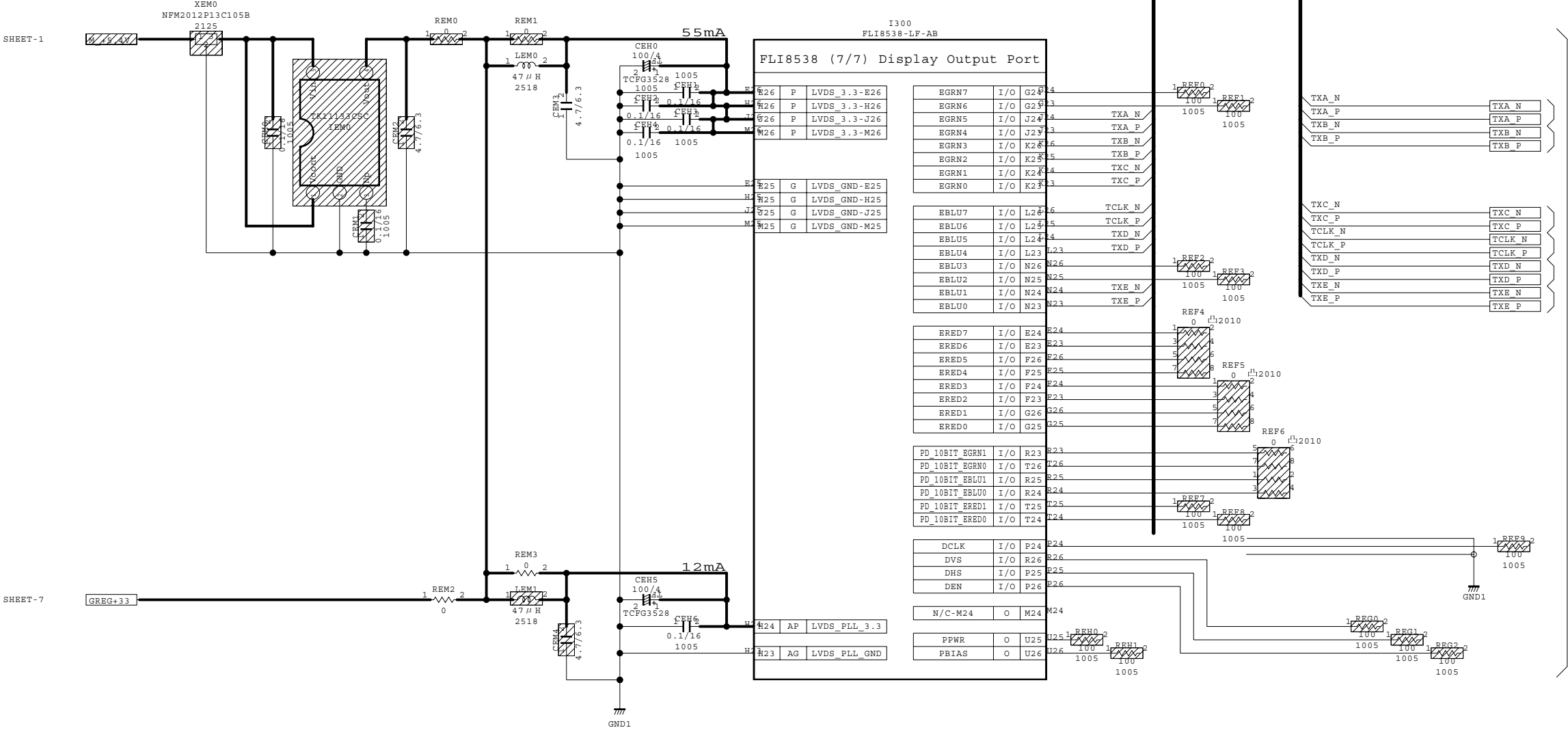






42PD9800TA (FW1)





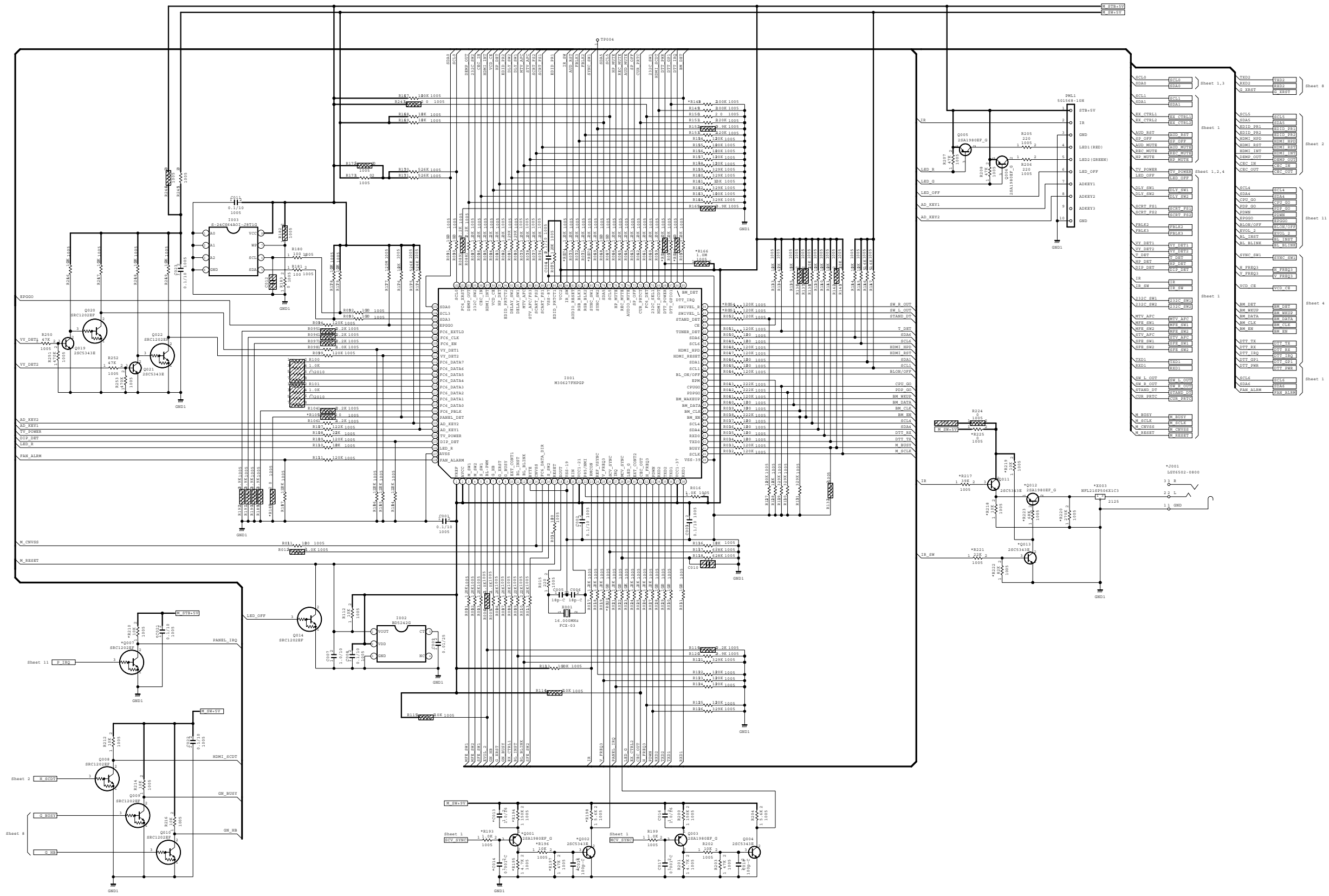
PWB assembly MAIN 10 (FW1)

51

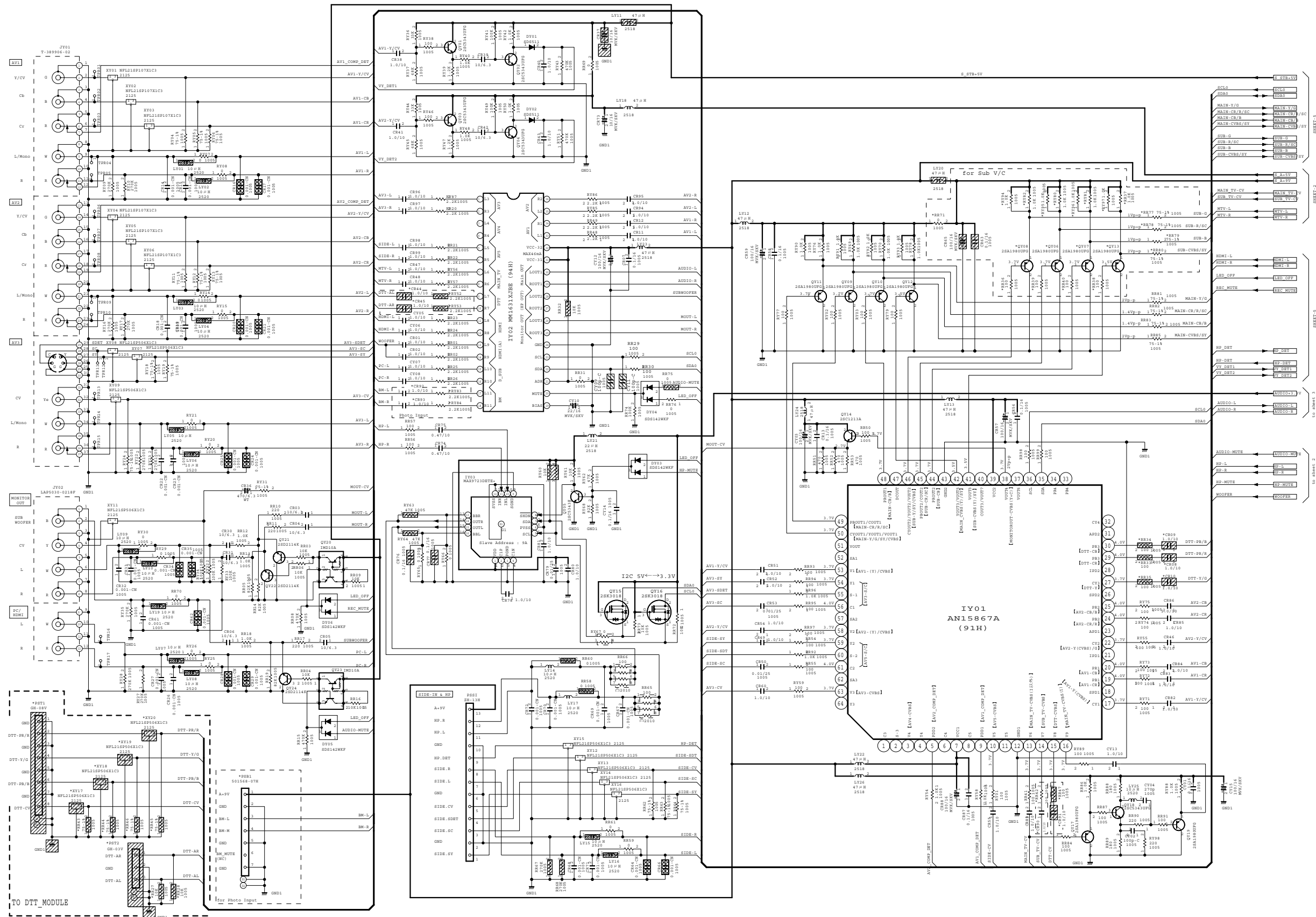


| 2702 Pin Position | | |
|-------------------|------------|-------------|
| | POP | LCD |
| 1 | GND (LVDS) | |
| 2 | SDA | |
| 3 | CPU-GO | |
| 4 | RE+ | RE+ |
| 5 | RE- | RE- |
| 6 | GND (LVDS) | GND (LVDS) |
| 7 | RD+ | RD+ |
| 8 | RD- | RD- |
| 9 | SCL | GND |
| 10 | RCLK+ | RCLK+ |
| 11 | RCLK- | RCLK- |
| 12 | GND | GND |
| 13 | EC+ | EC+ |
| 14 | EC- | EC- |
| 15 | GND (LVDS) | GND (LVDS) |
| 16 | EB+ | EB+ |
| 17 | EB- | EB- |
| 18 | PDF-GO | GND |
| 19 | EA+ | EA+ |
| 20 | EA- | EA- |
| 21 | IRQ | GND |
| 22 | PCMN | GND (CTS_N) |
| 23 | GND | GND |
| 24 | EC | EC |
| 25 | GND | GND |
| 26 | GND | GND |
| 27 | GND | GND |
| 28 | GND | VCC |
| 29 | GND | VCC |
| 30 | GND | VCC |
| 31 | GND | VCC |

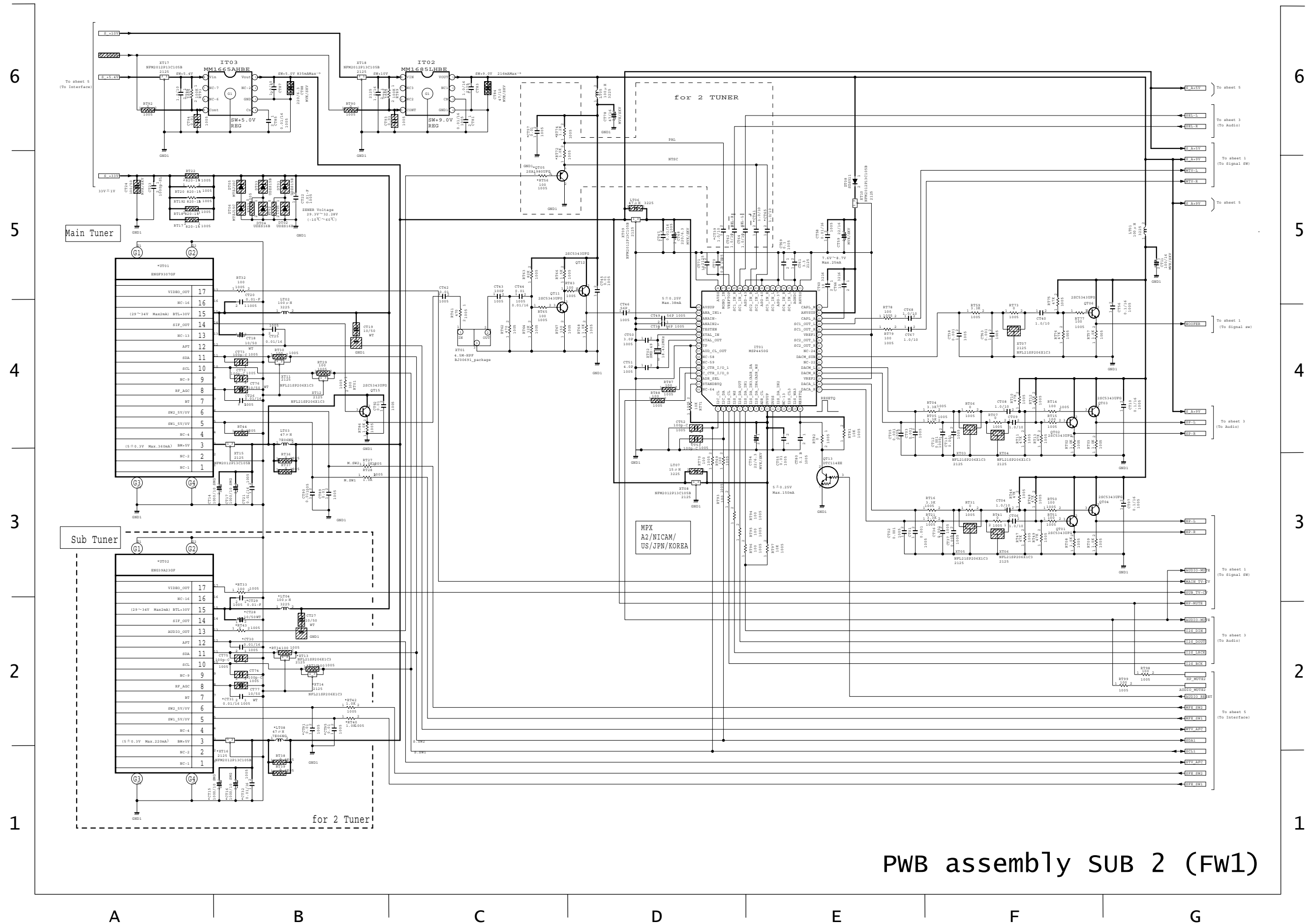
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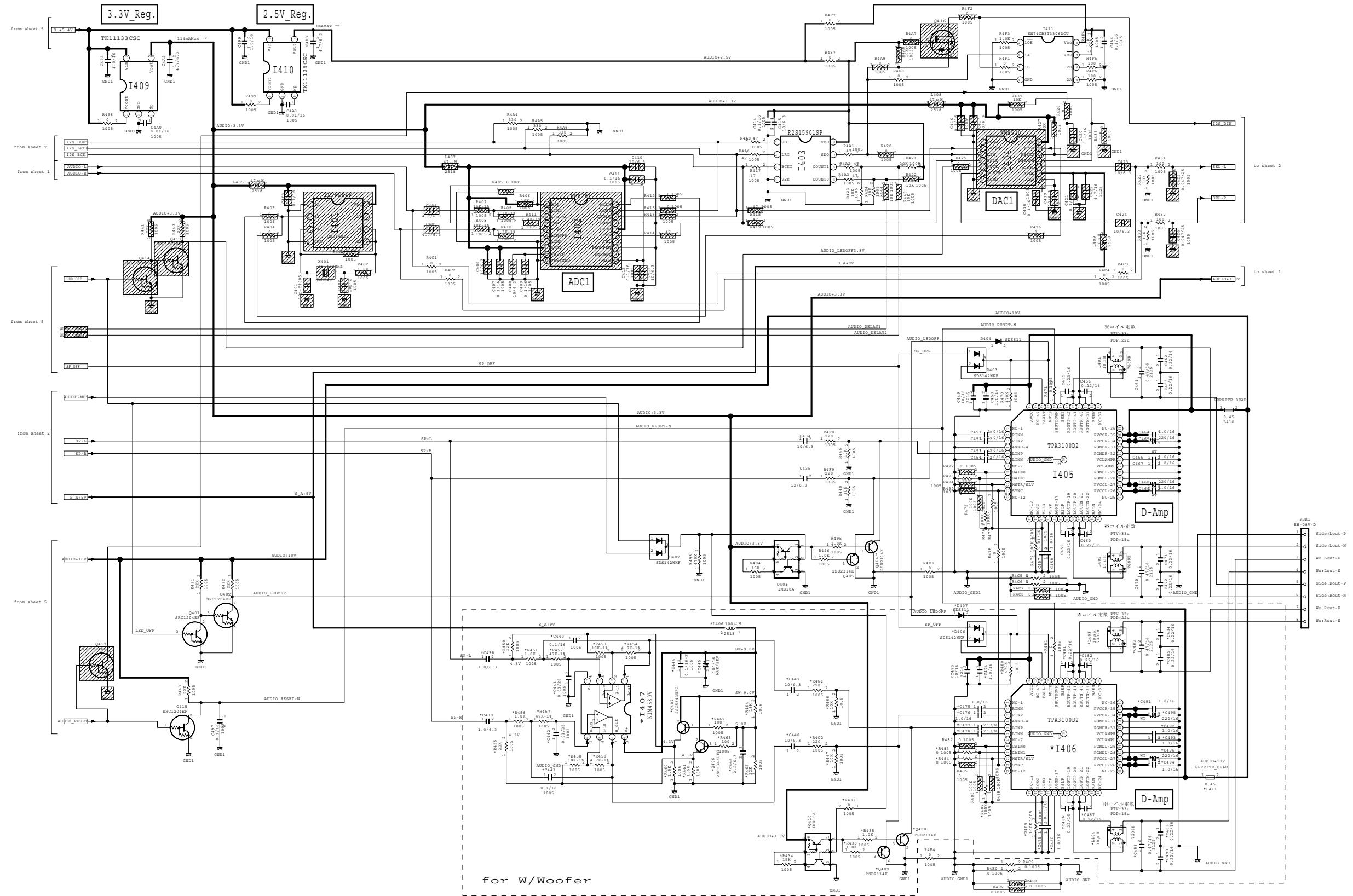


PWB assembly MAIN 12 (FW1)

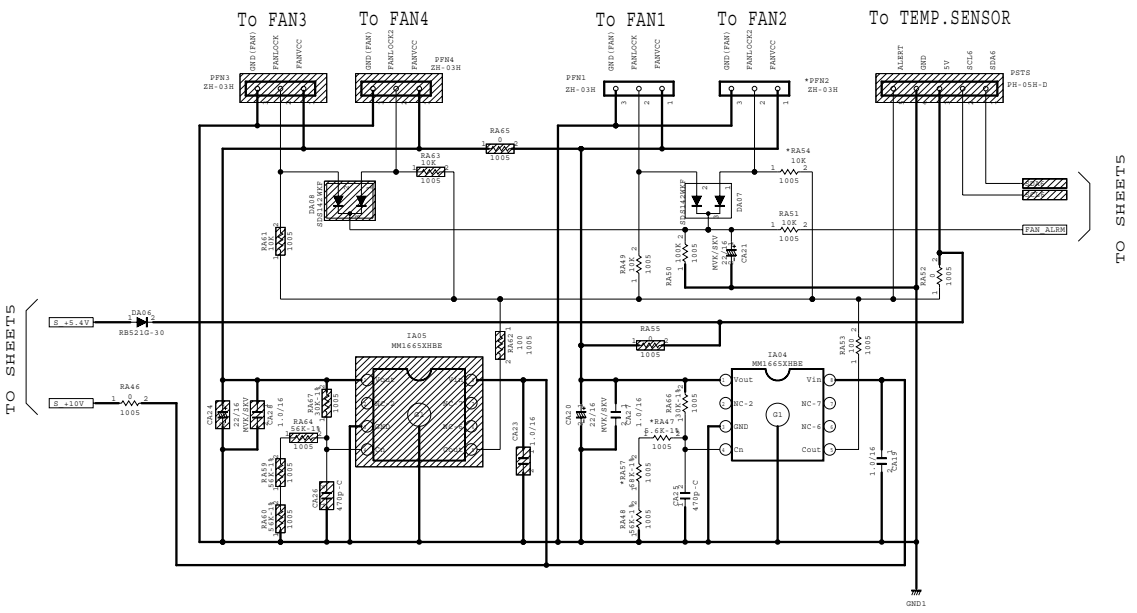
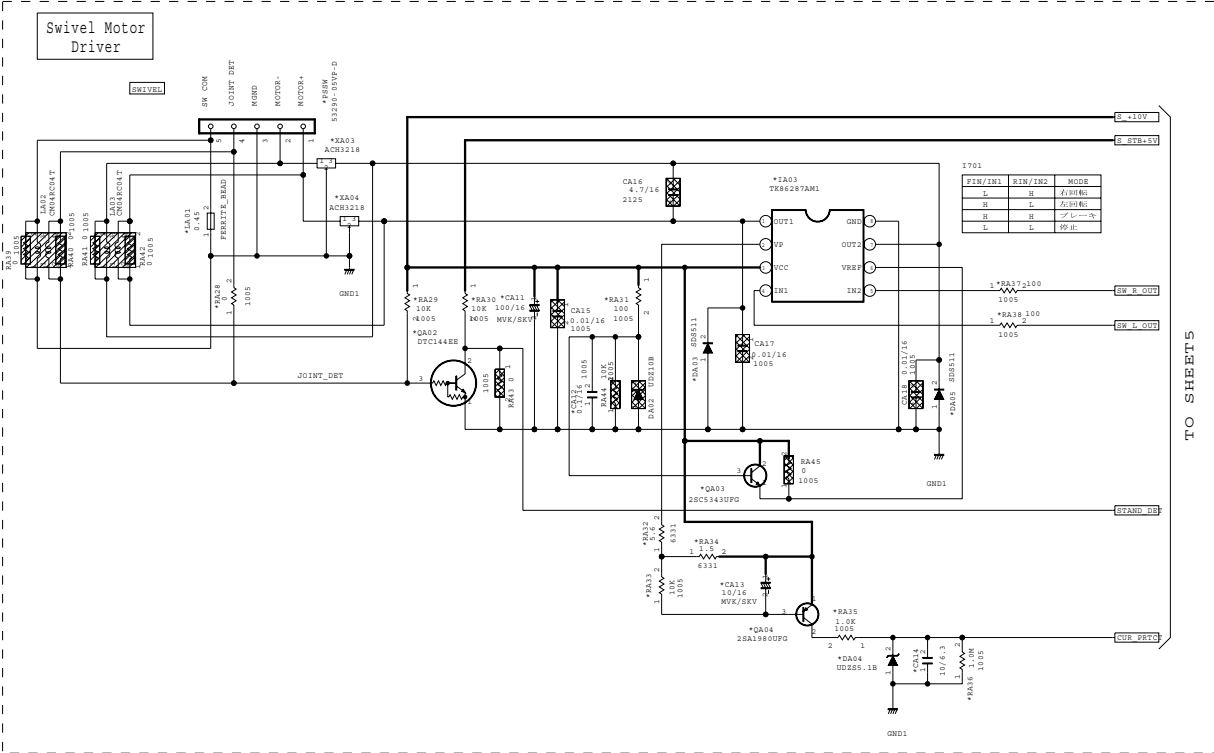
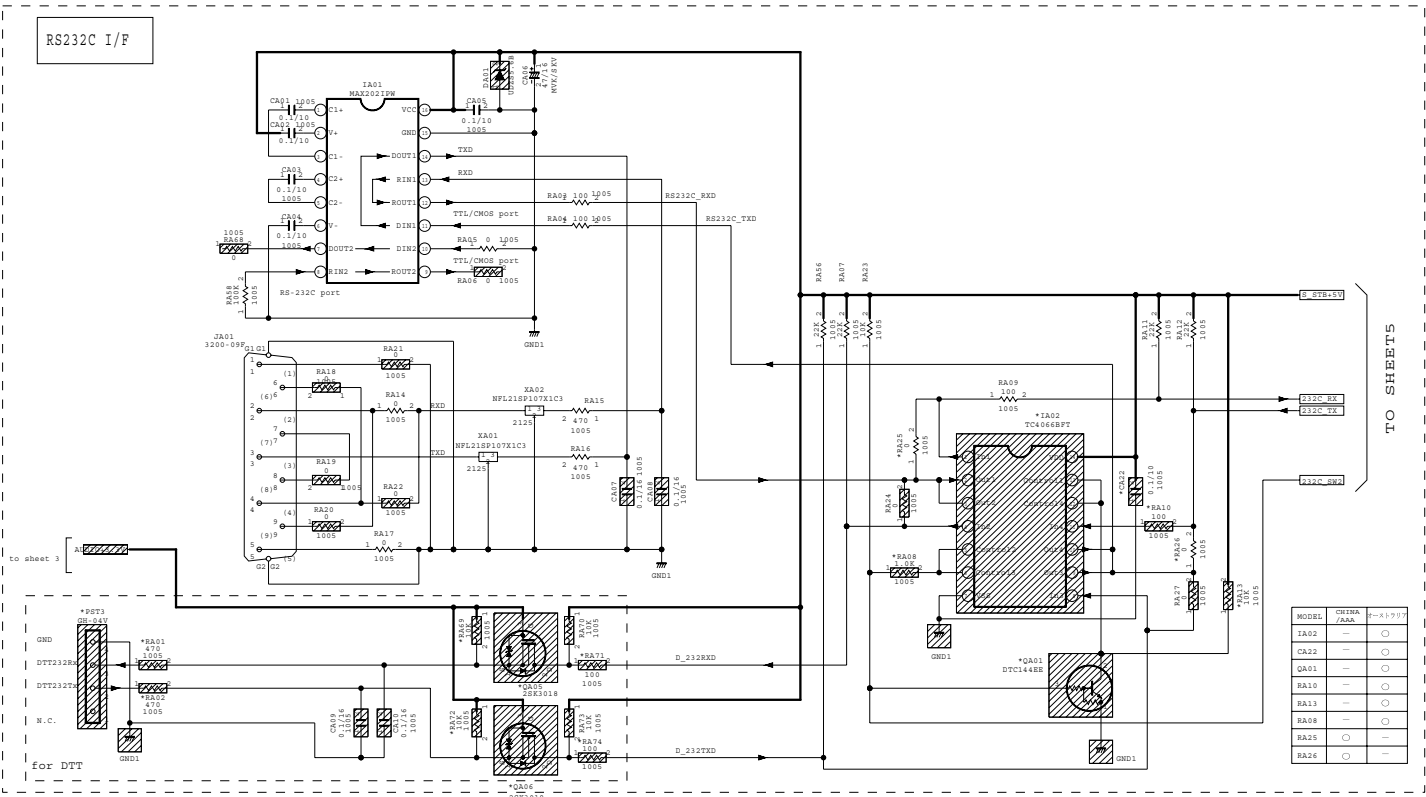


PWB assembly SUB 1 (FW1)



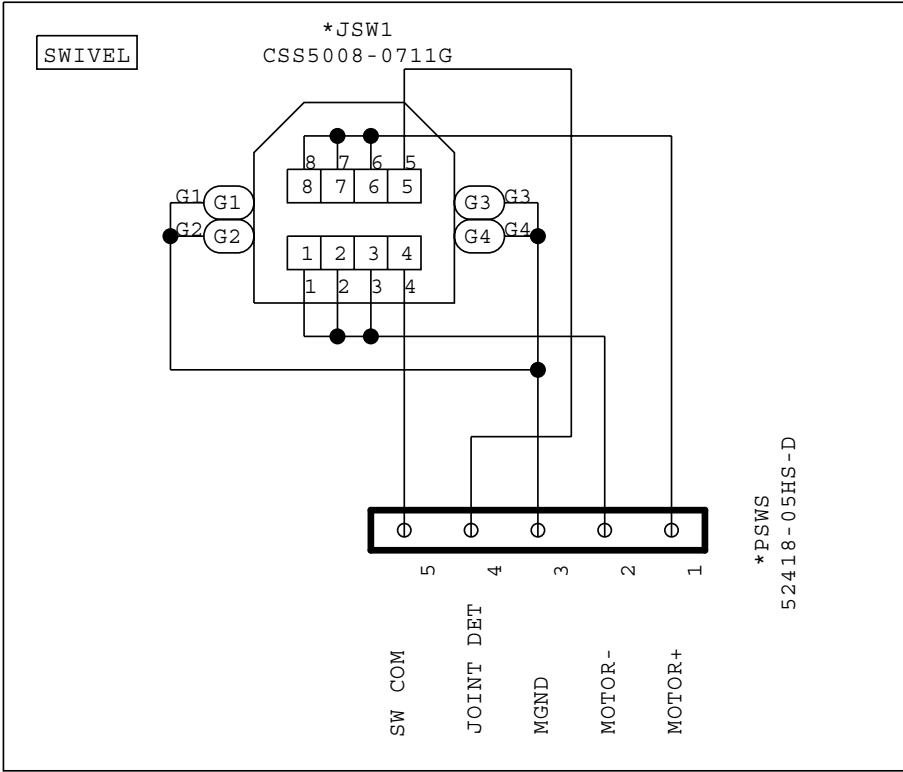


PWB assembly SUB 3 (FW1)



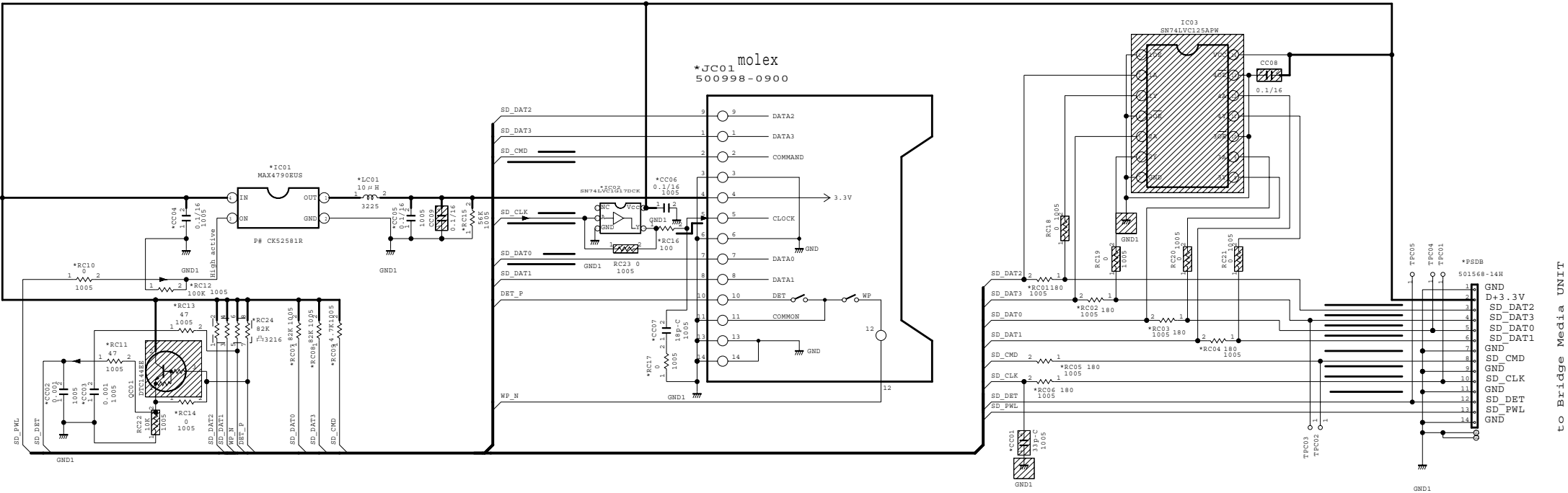
PWB assembly SUB 4(RS232C I/F, Swivel, Motordrive, Sensor) (FW1)



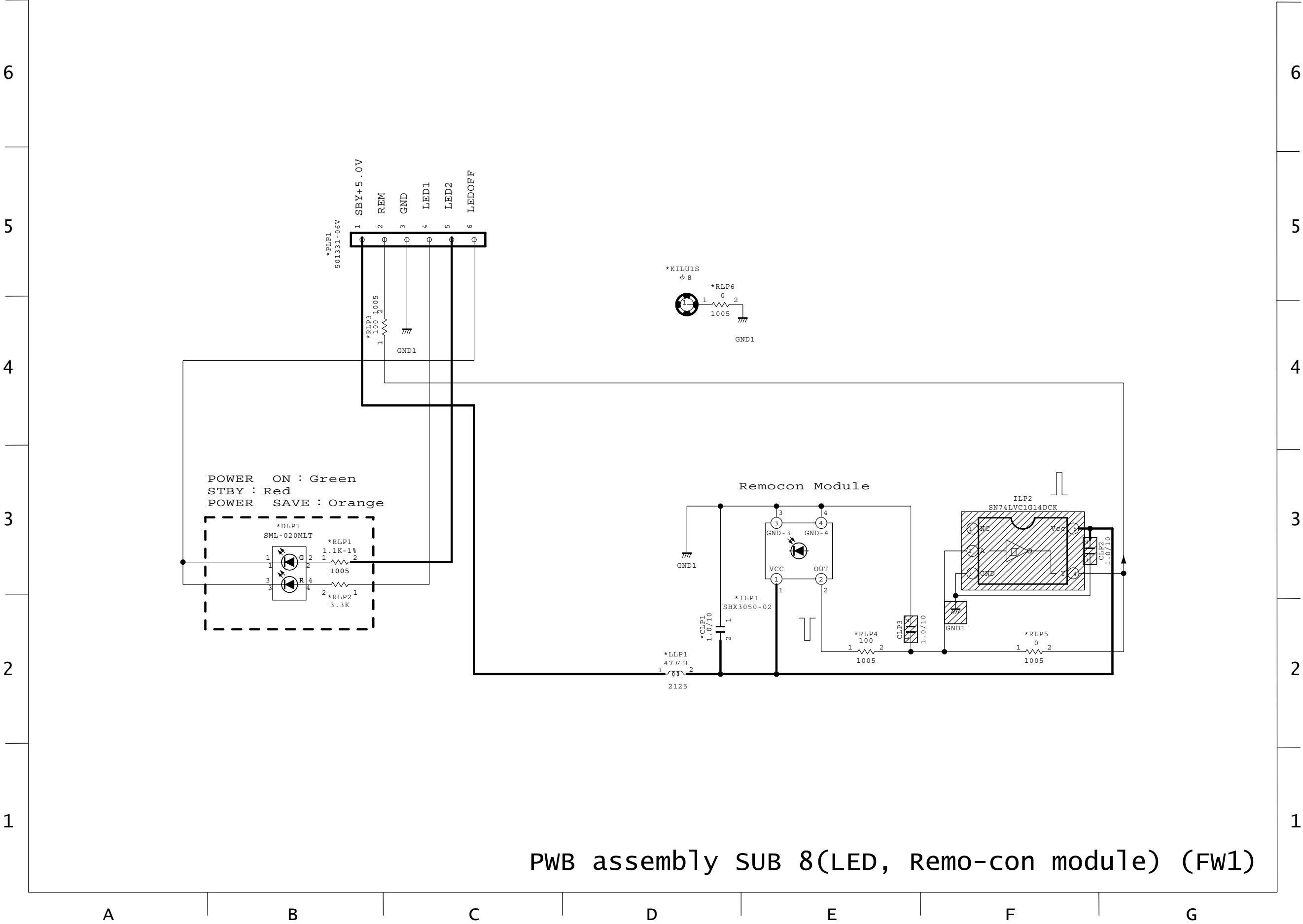


PWB assembly SUB 6(SWIVEL) (FW1)

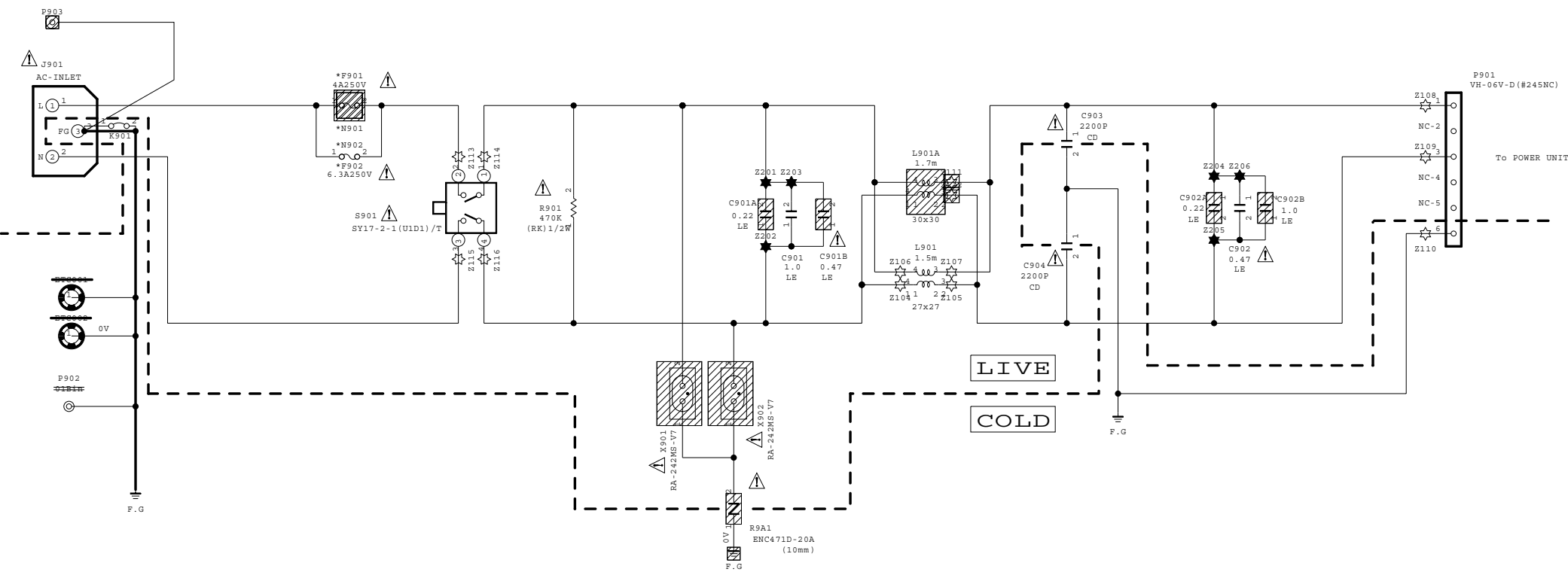
SD/MMC Card I / F



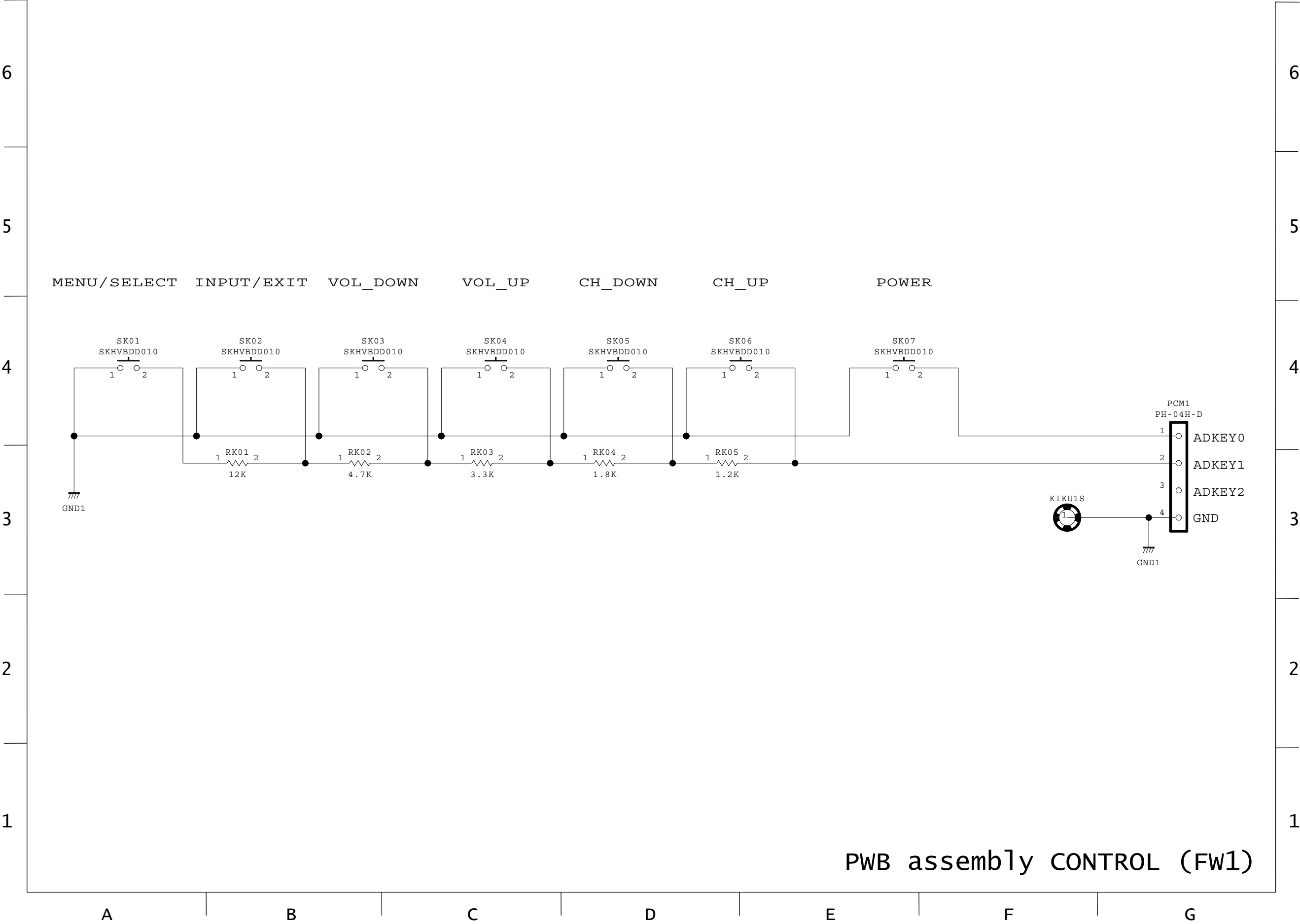
PWB assembly SUB 7(SD/MMC card I/F) (FW1)



PWB assembly SUB 8(LED, Remo-con module) (FW1)

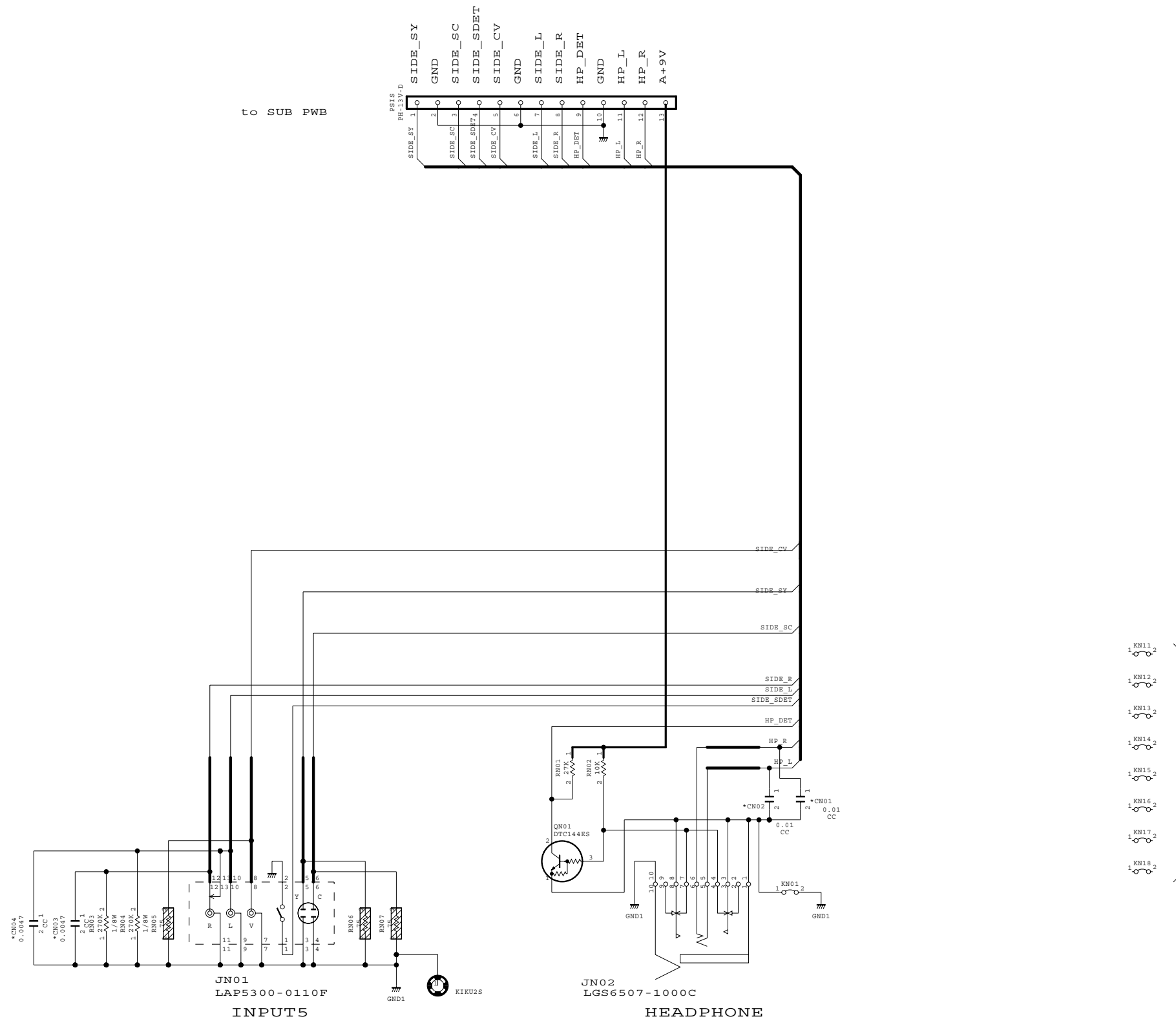


PWB assembly FILTER (FW1)



PWB assembly CONTROL (FW1)

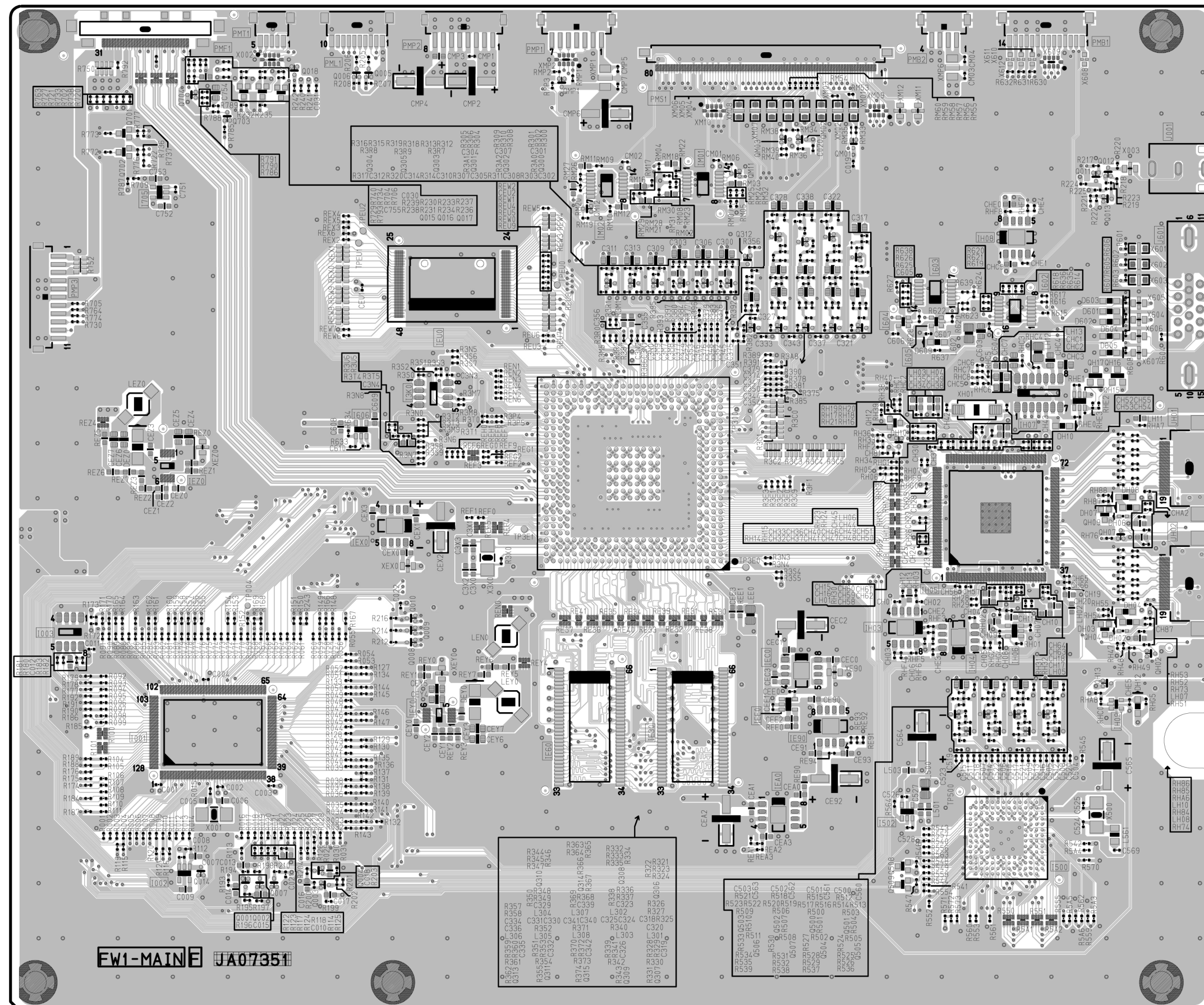
42PD9800TA (FW1)



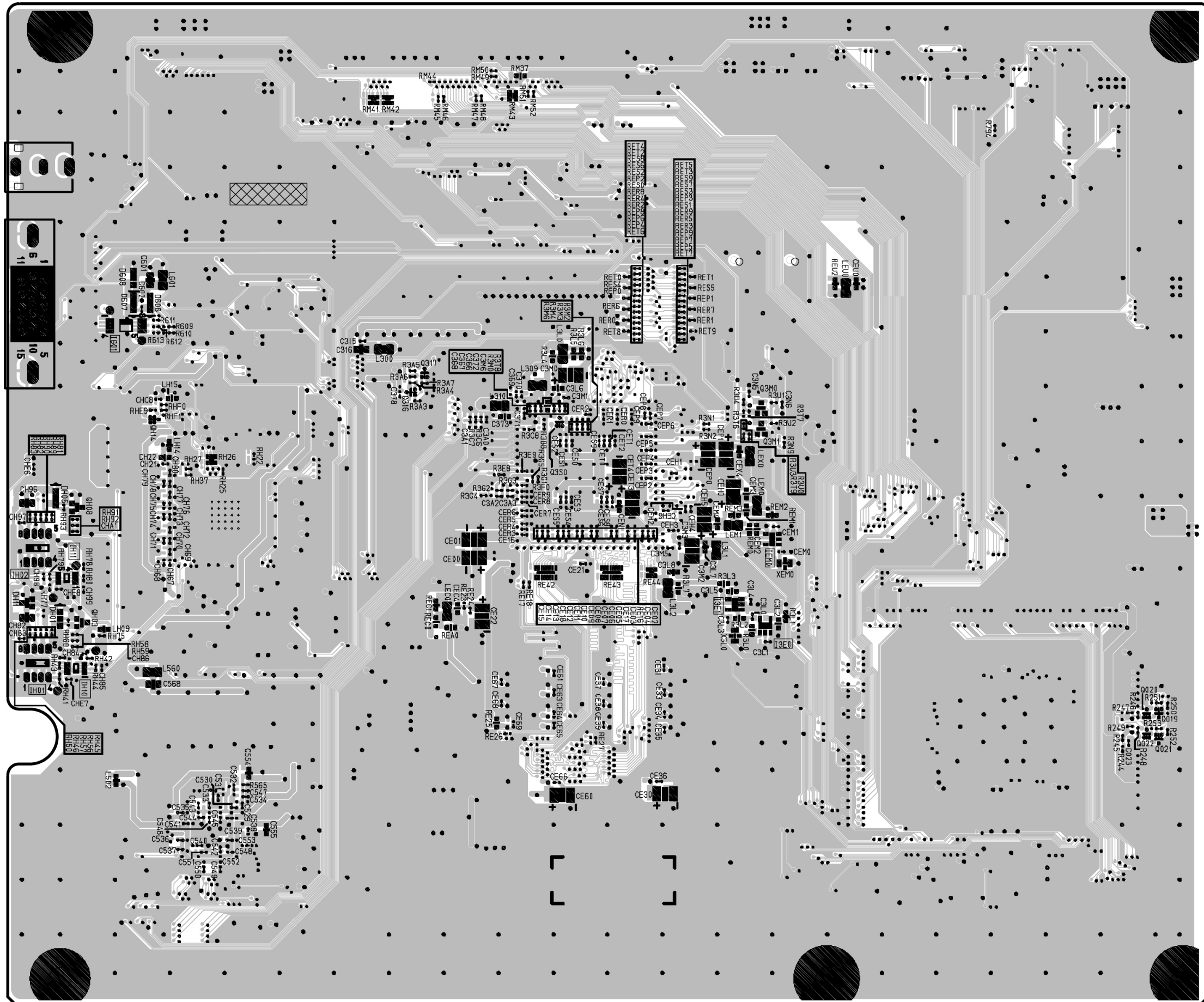
PWB assembly SIDE INPUT (FW1)

10. Printed wiring board diagram

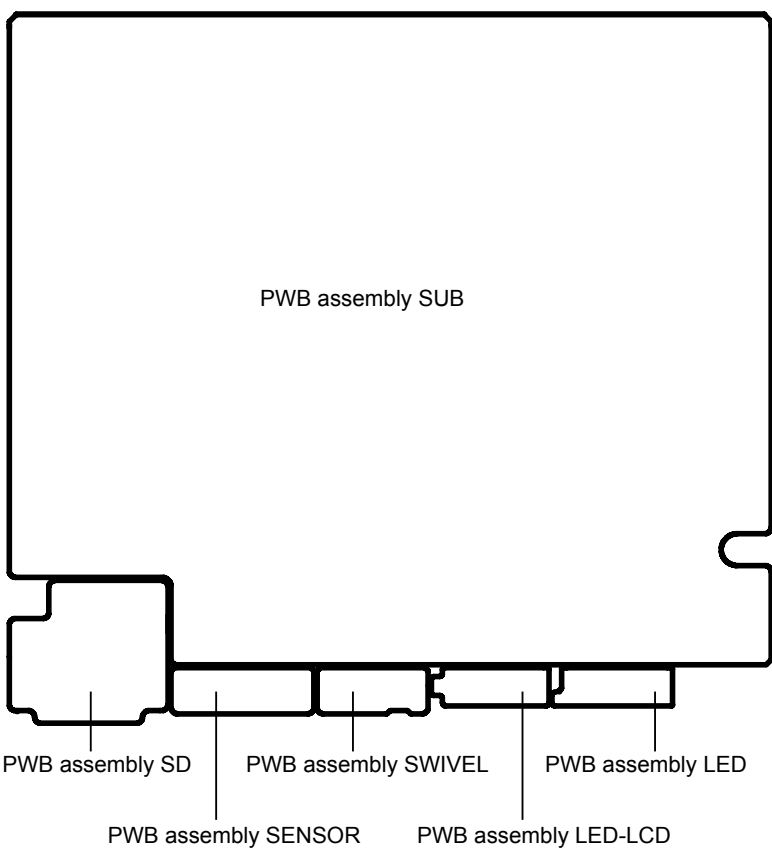
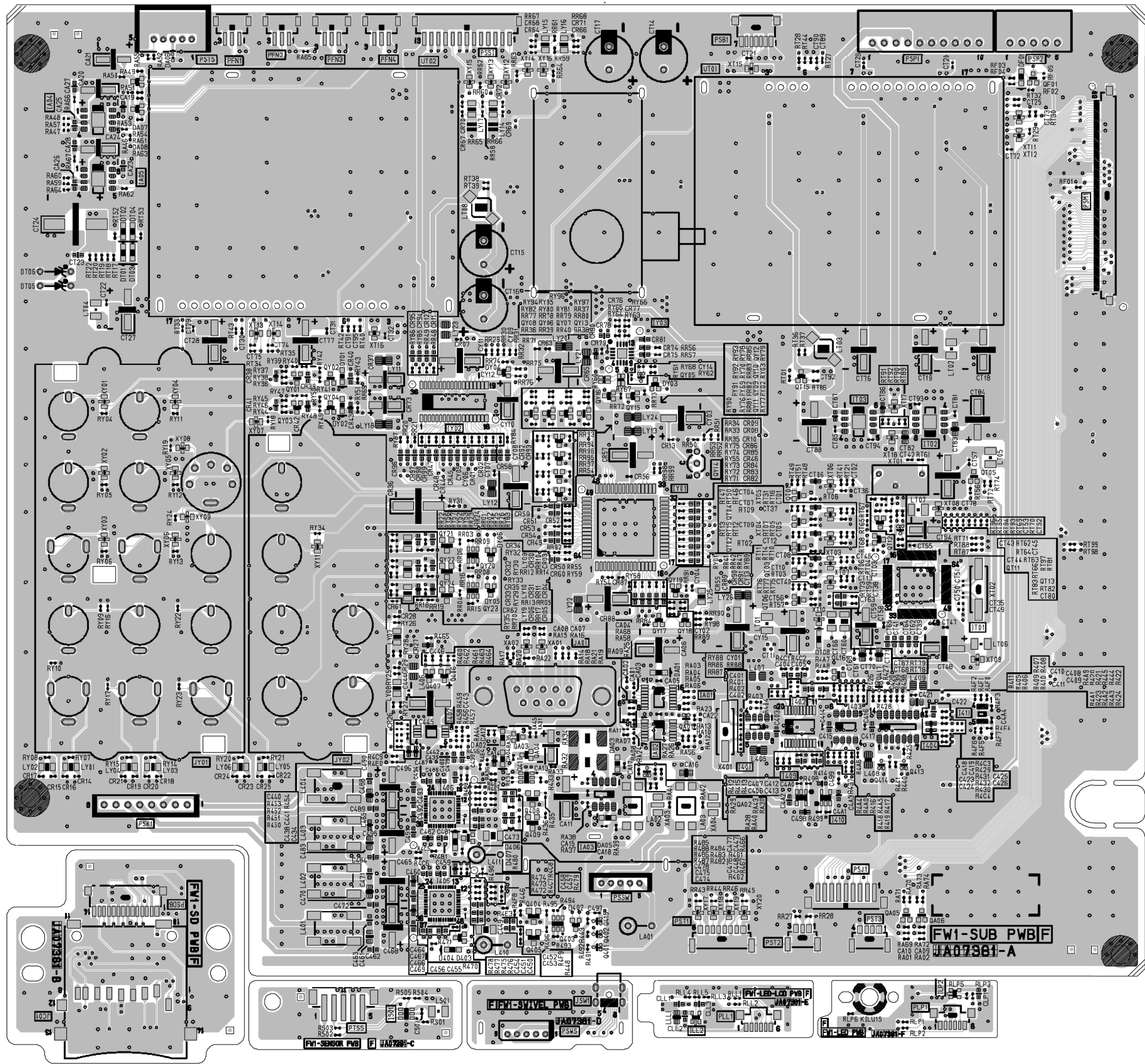
PWB assembly MAIN (side-A)



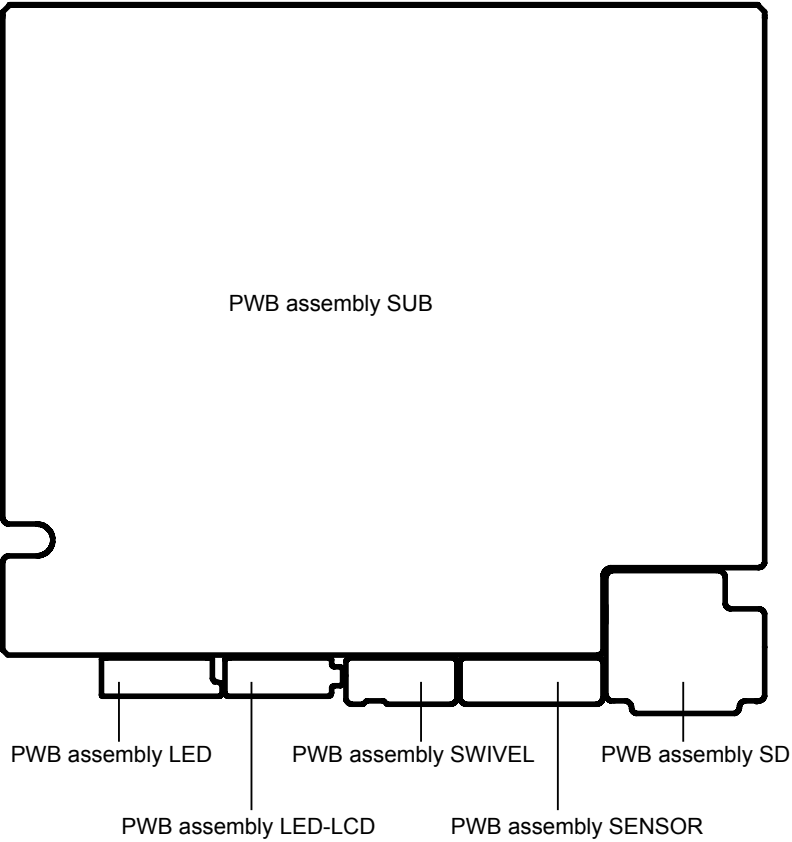
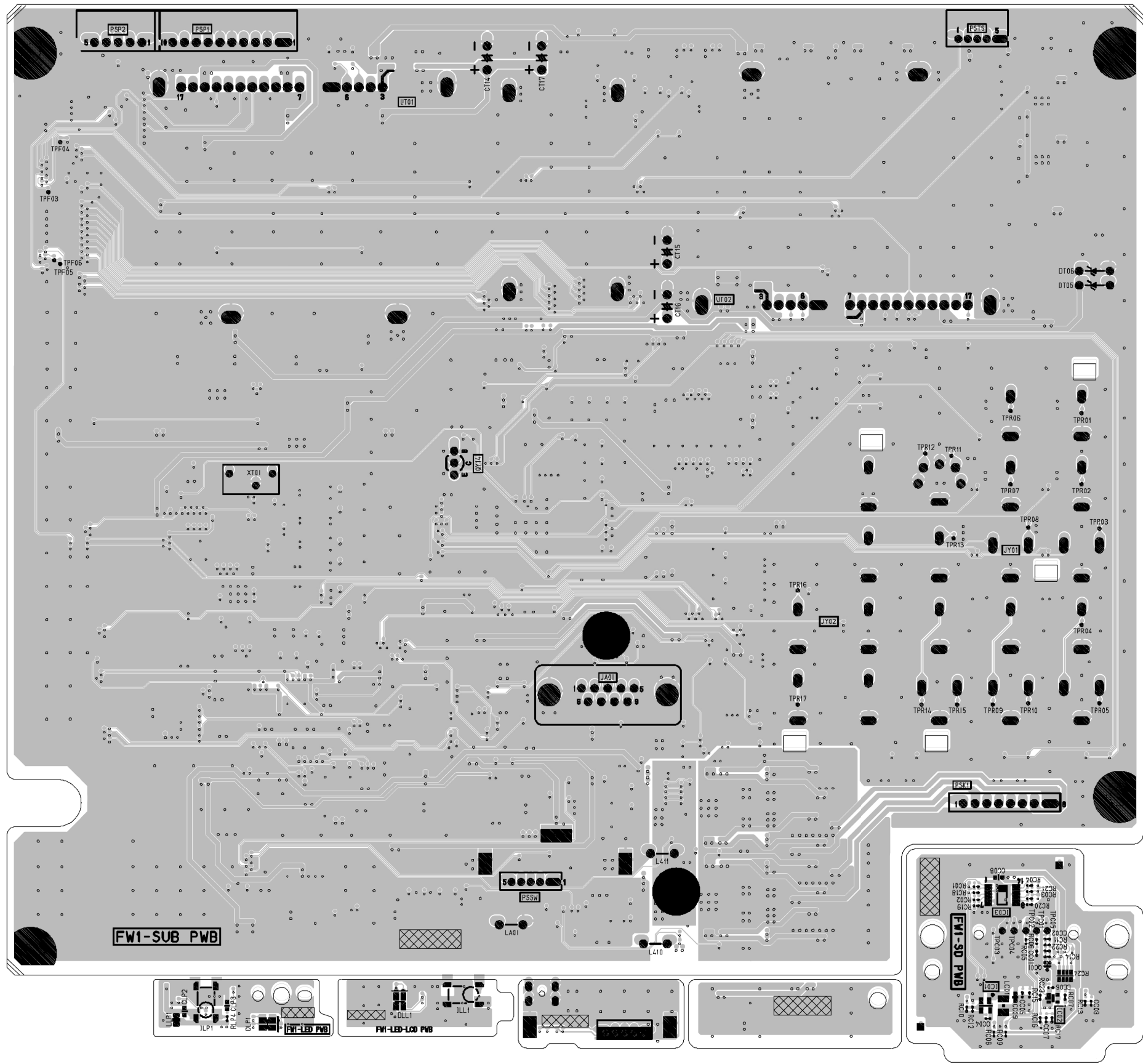
PWB assembly MAIN (side-B)



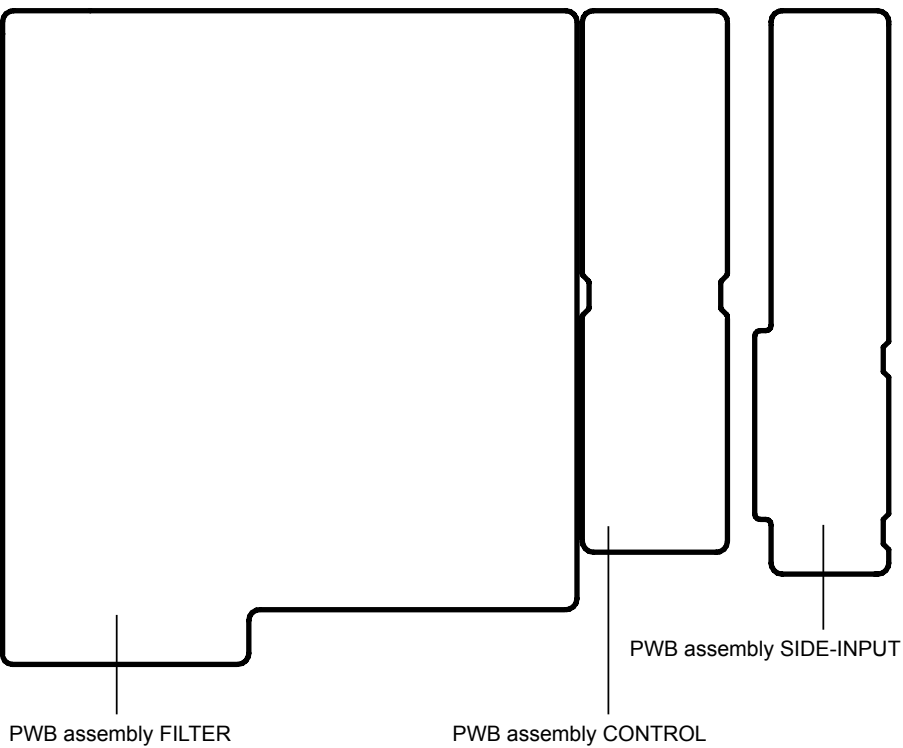
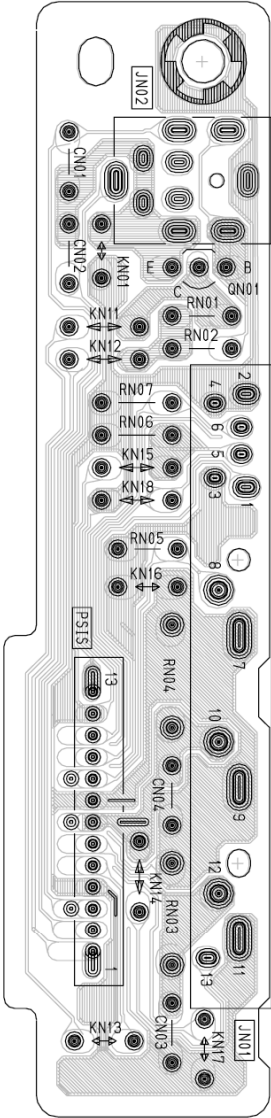
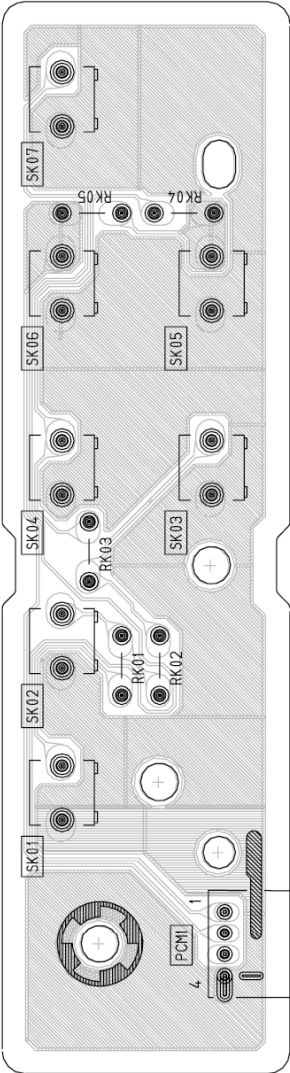
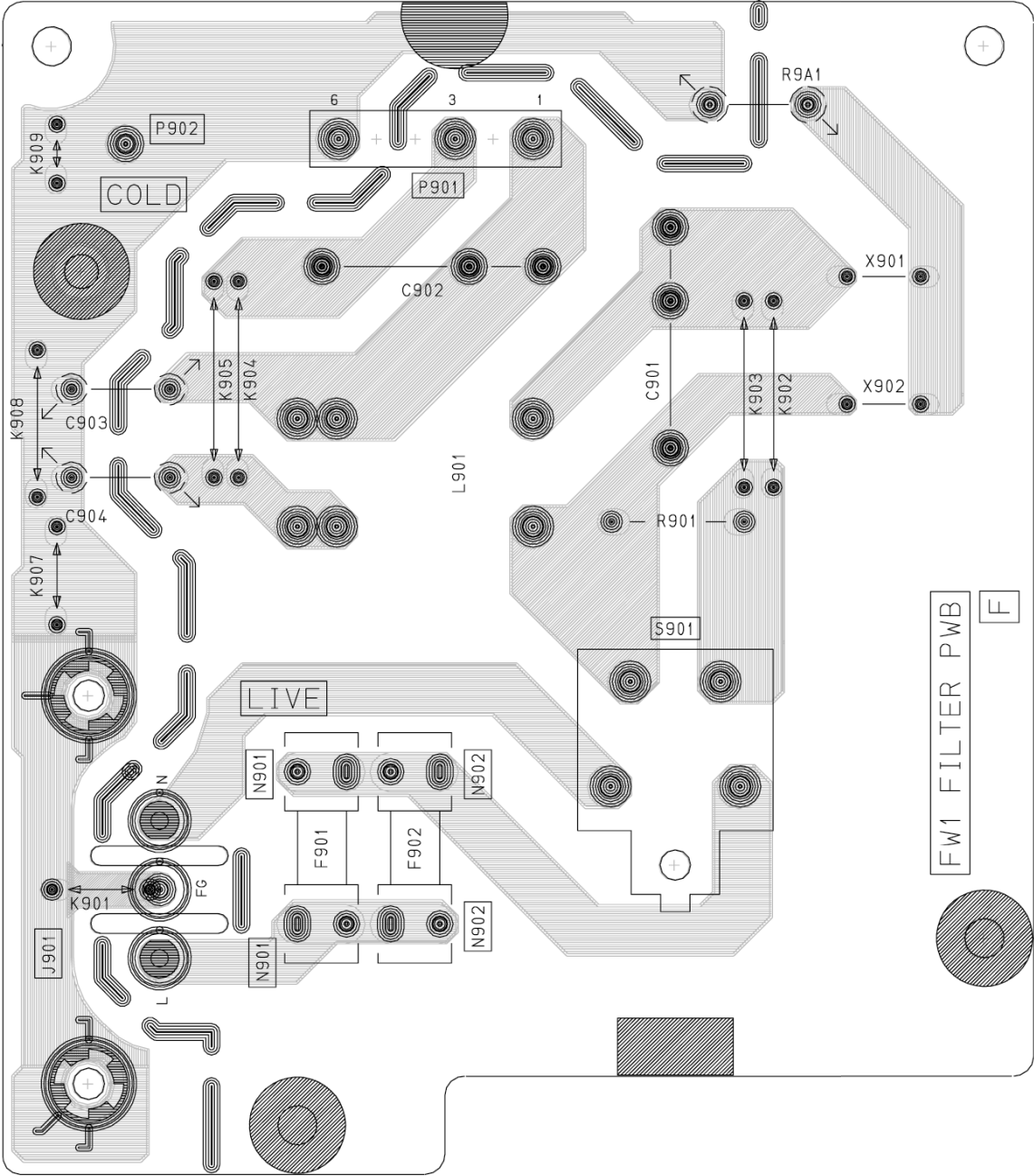
PWB assembly SUB (side-A)



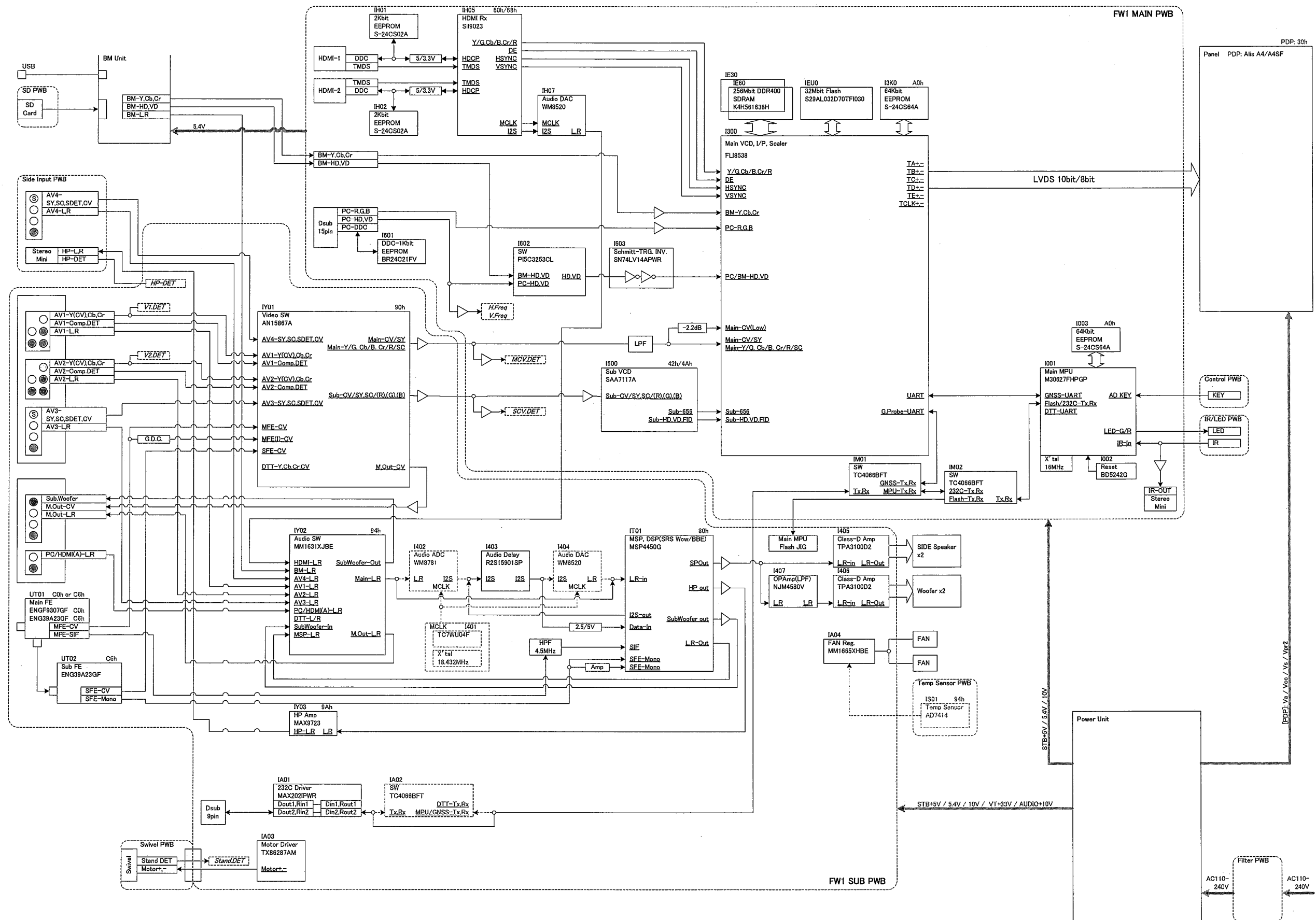
PWB assembly SUB (side-B)



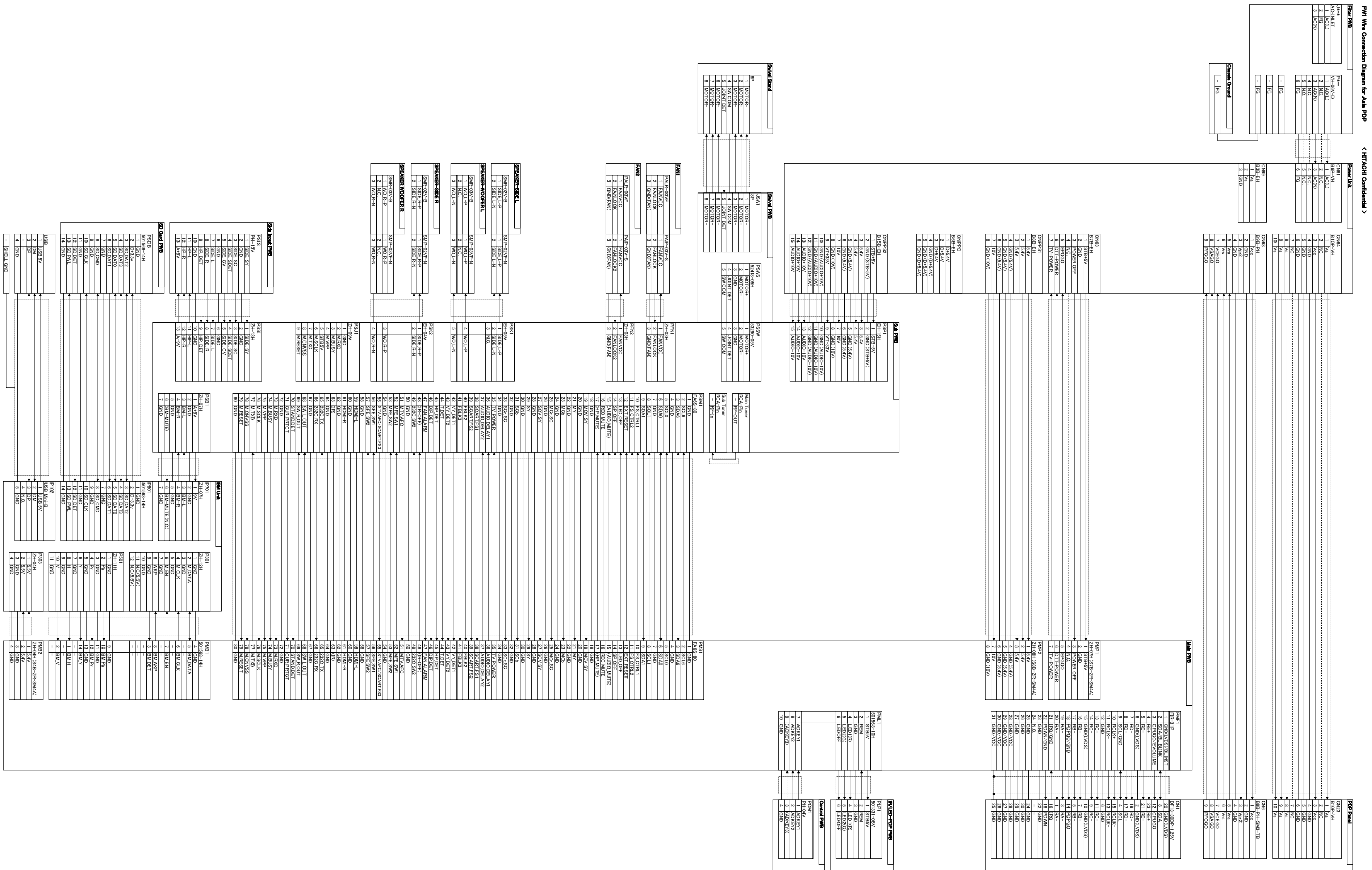
PWB assembly FILTER



11. Block diagram

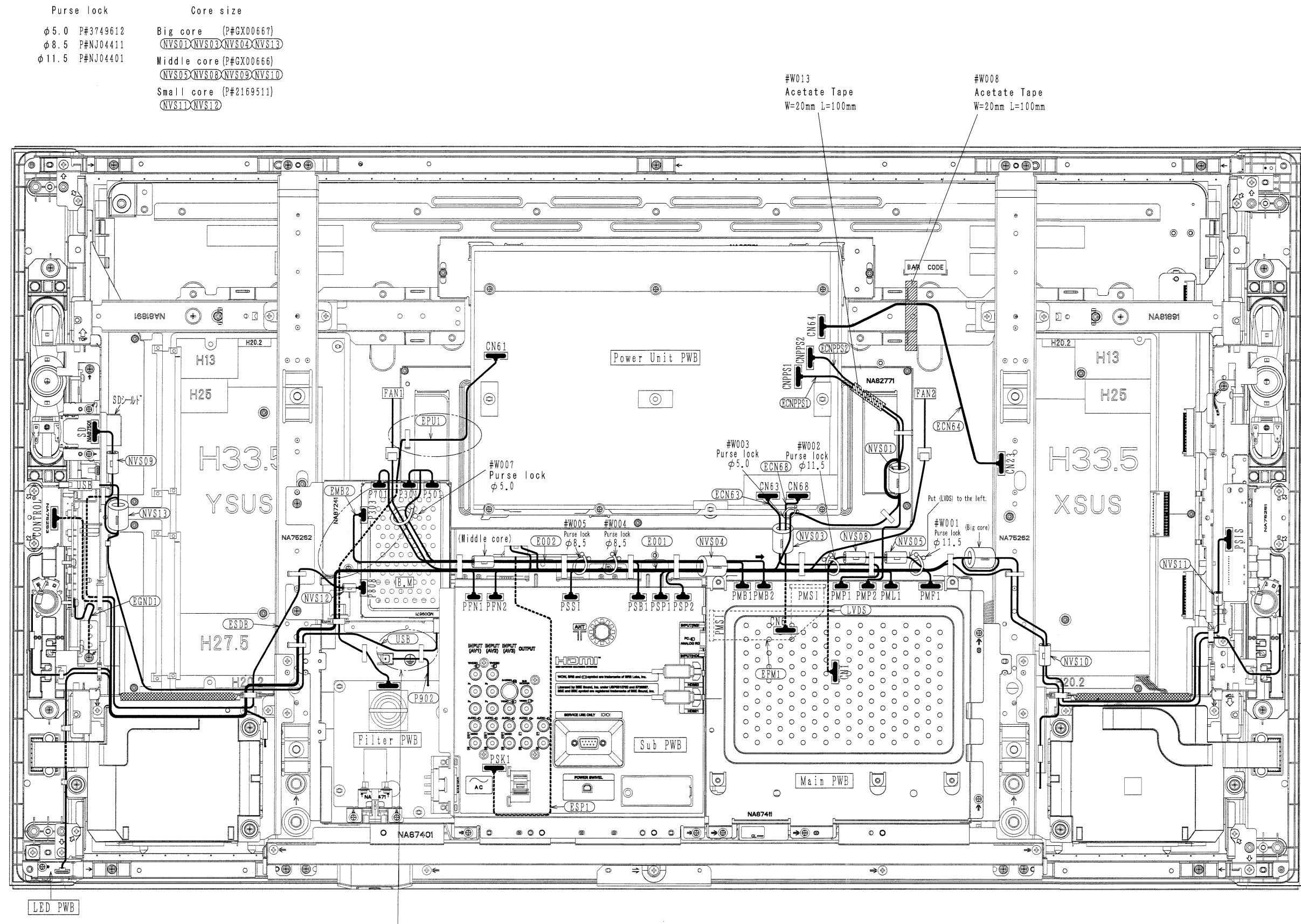


12. Connection diagram

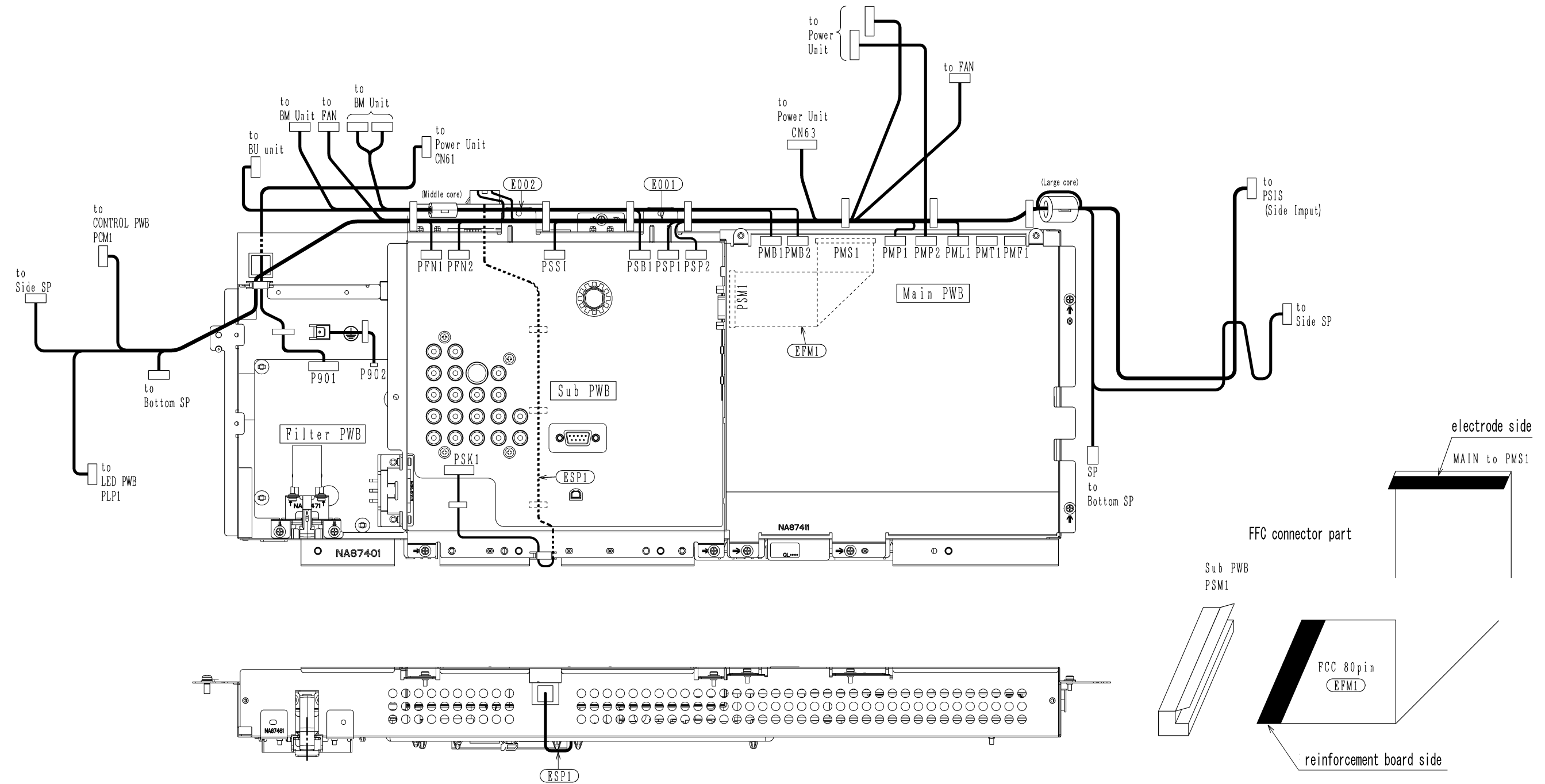


13. Wiring diagram

[42PD9800TA (1/2)]

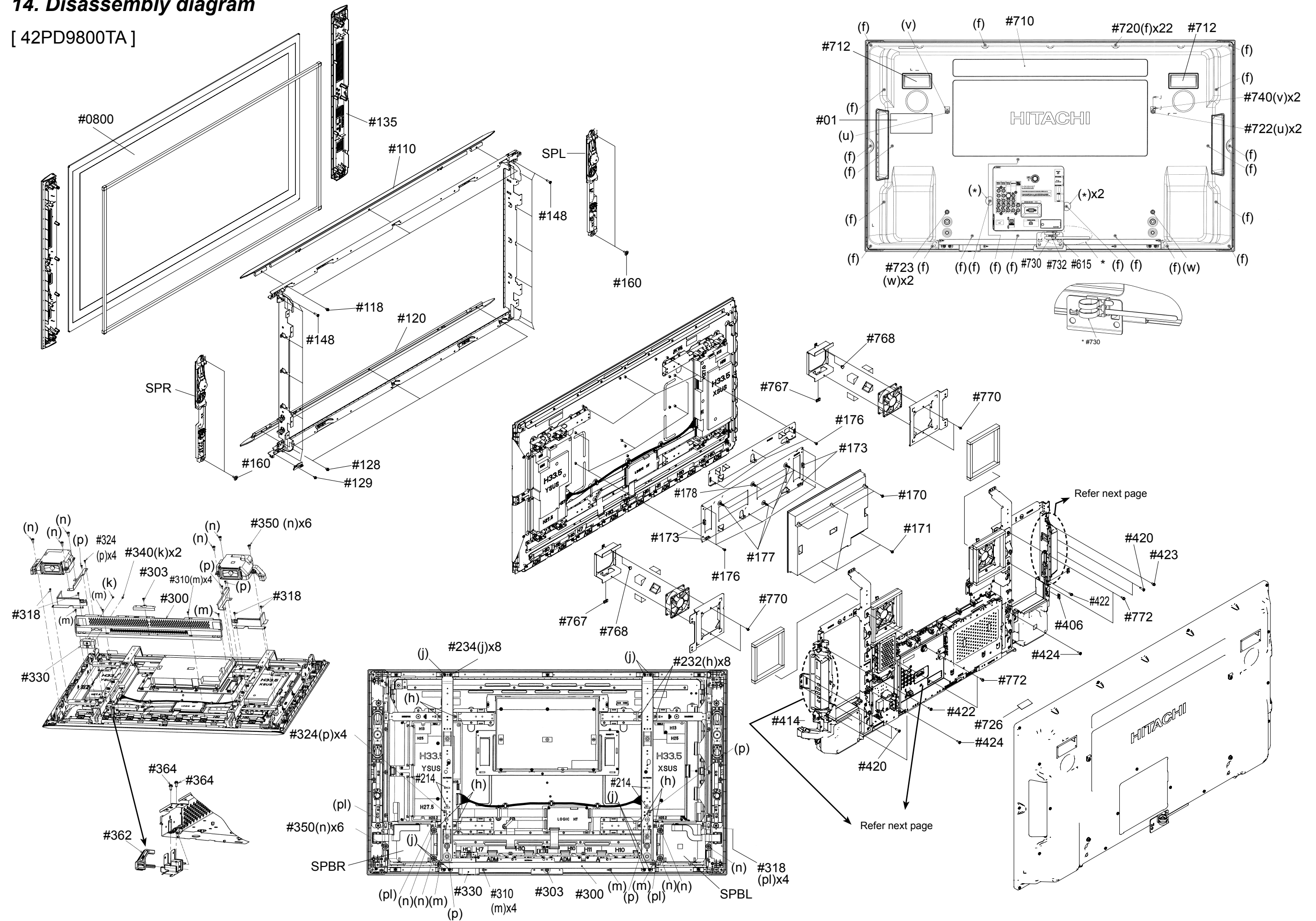


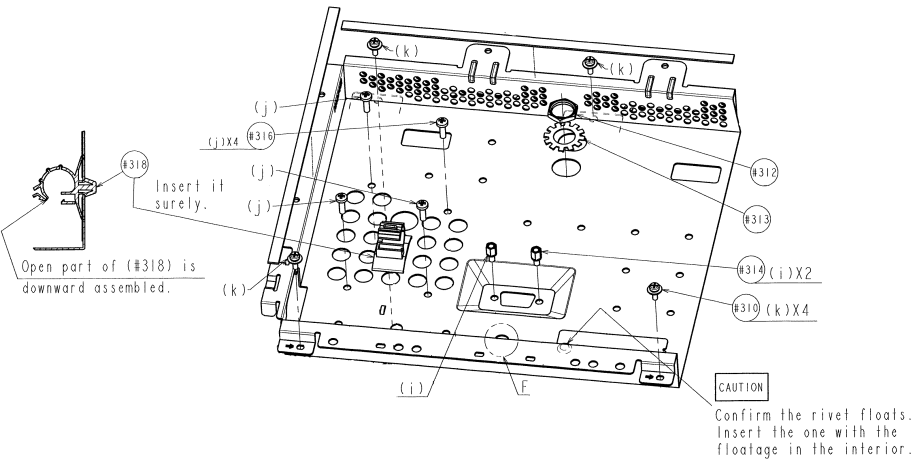
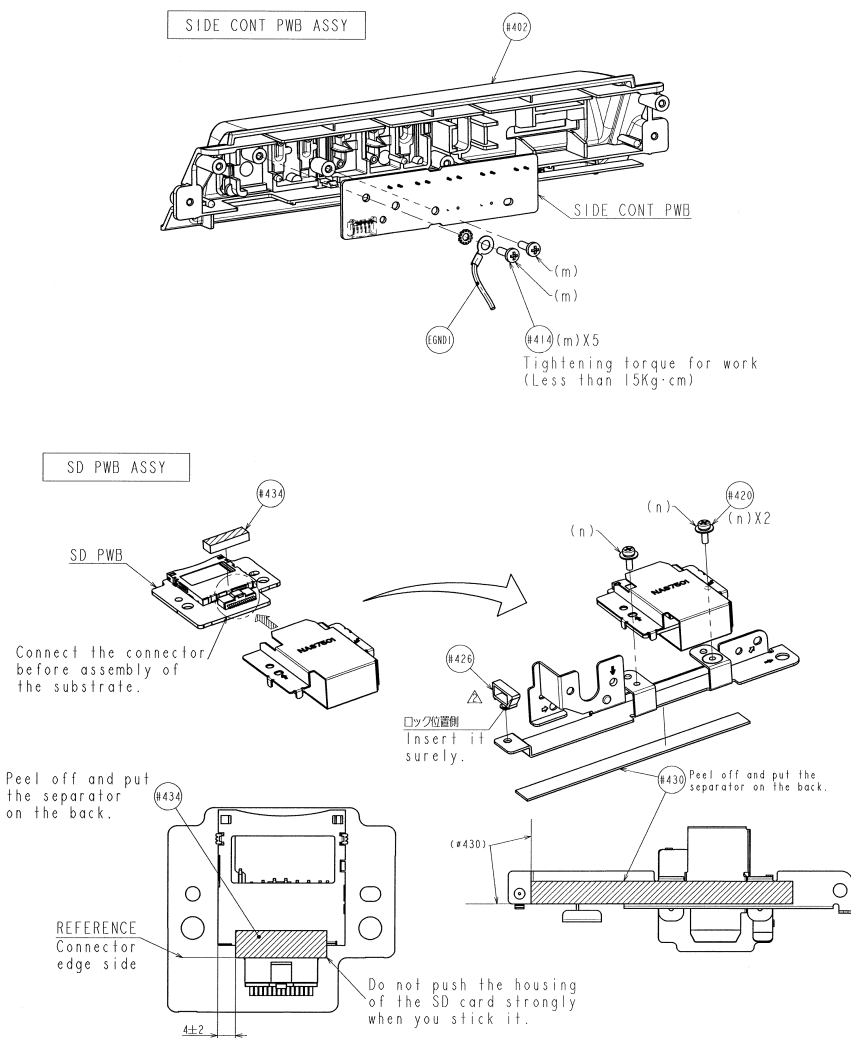
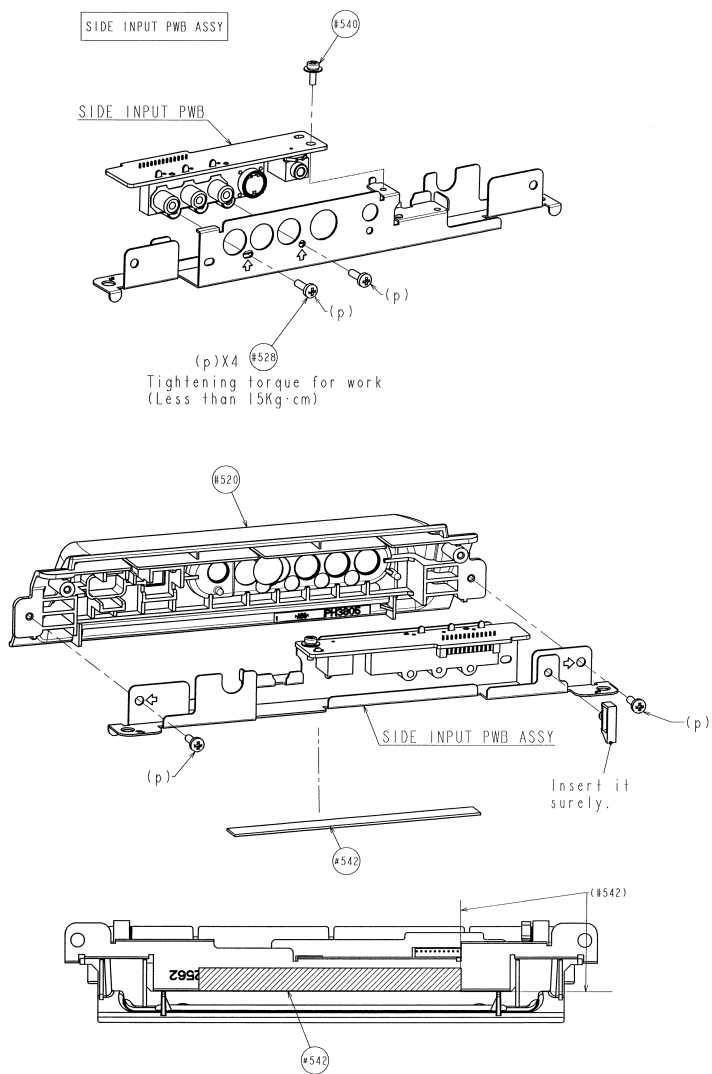
[42PD9800TA (2/2)]



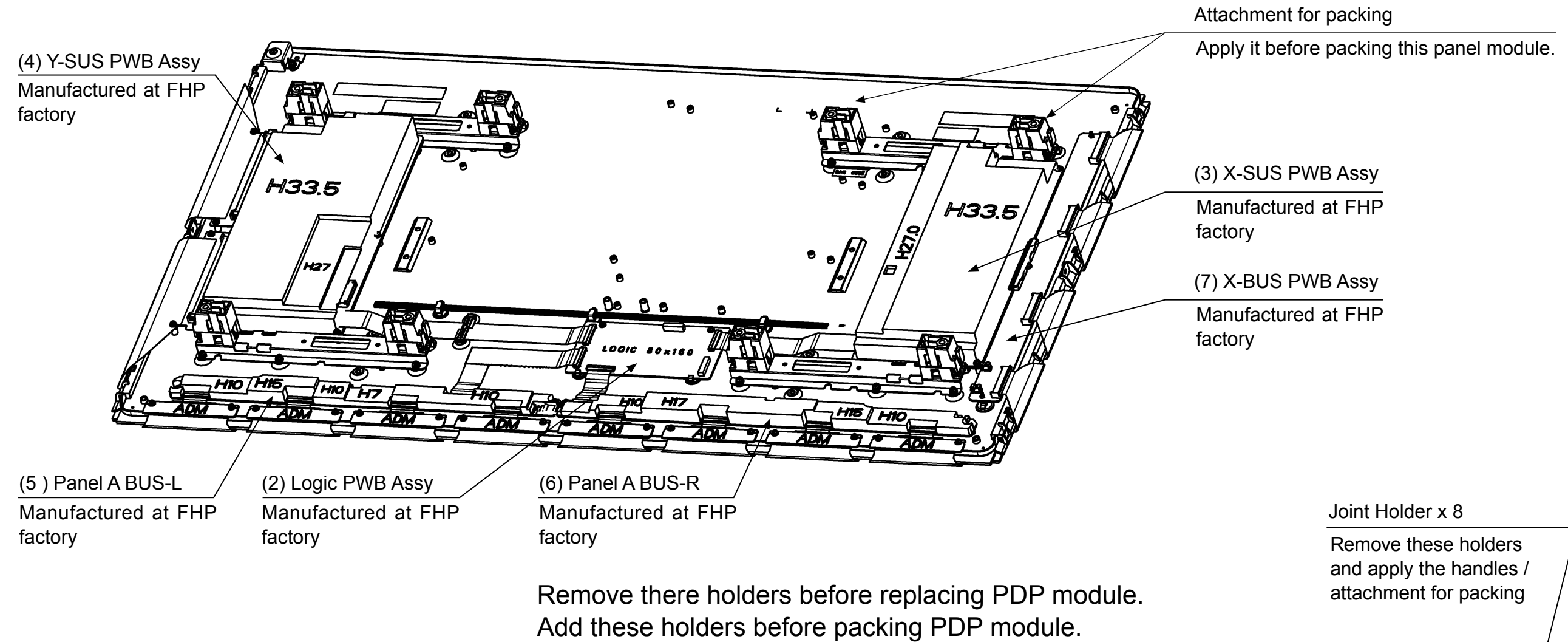
14. Disassembly diagram

[42PD9800TA]

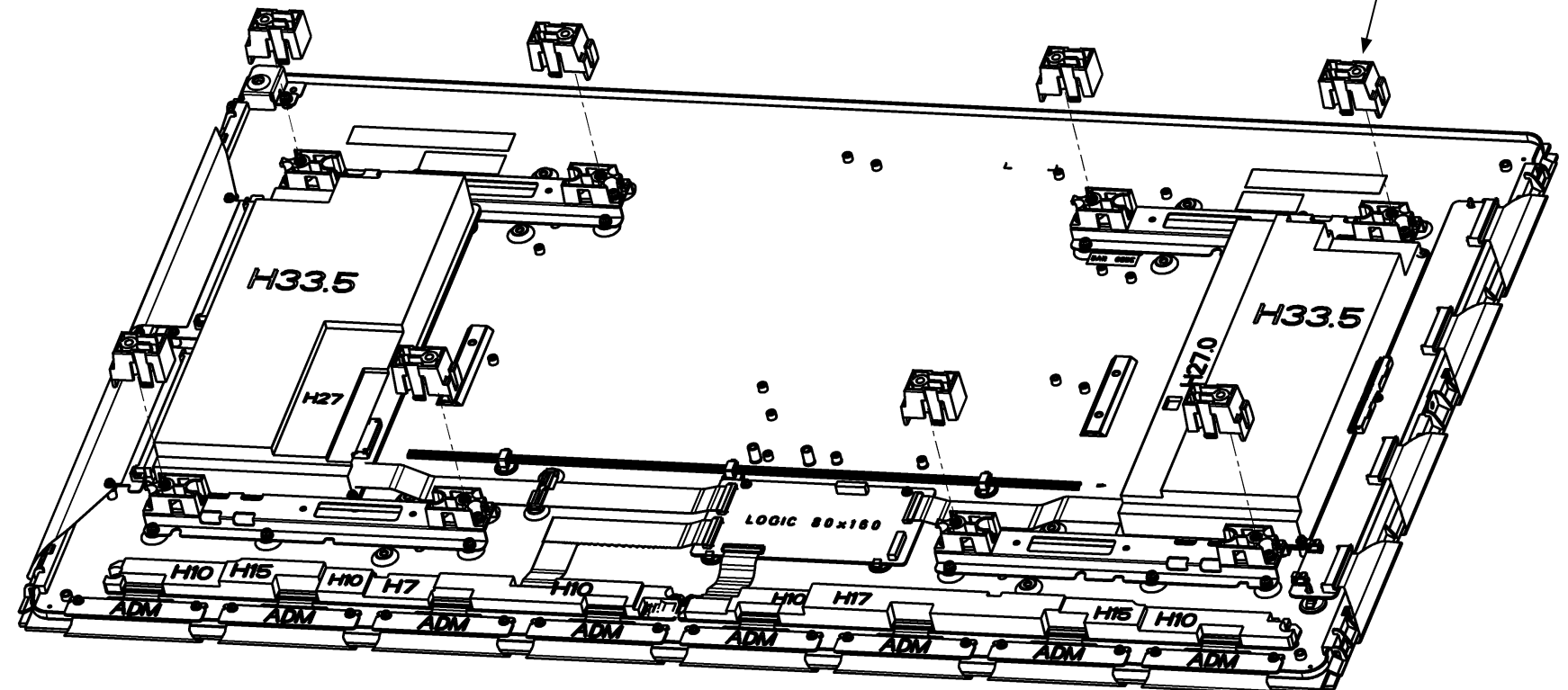




Panel Module 42PD9800TA



| No. | Spare Part Name | FHP Spare Part # |
|-----|-------------------|-------------------|
| (1) | Panel Module | FPF42C128135UA-55 |
| (2) | LOGIC PWB Ass'y | FPF33R-LGC0061 |
| (3) | X-SUS PWB Ass'y | FPF33R-YSS0041 |
| (4) | Y-SUS PWB Ass'y | FPF33R-YSS0042 |
| (5) | A-BUS L PWB Ass'y | FPF33R-ABL0038 |
| (6) | A-BUS R PWB Ass'y | FPF33R-ABR0039 |
| (7) | X-BUS PWB Ass'y | FPF33R-XBU0035 |



MEMO

15. Replacement Parts list

PRODUCT SAFETY NOTE : Components marked with a \triangle have special characteristics important to safety.
Before replacing any of these components, read carefully, the CAUTION FOR SAFETY of this Service Manual.
Don't degrade the safety of the receiver through improper servicing.

NOTE : This parts list is applied to the products made in Japan.

Parts on FC board are not included on this parts list.

| | |
|---------------|--|
| ABBREVIATIONS | Capacitors.....CD: Ceramic Disk, PF: Polyester Film, EL: Electrolytic, PP: Polypropylene, PR: Paper, TA: Tantalum, TM: Trimer. |
| | Resistors.....CF: Carbon film, MG: Metal Glazed, VR: Variable resistor, X4: 4 Network |
| | WW: Wire Wound, FR: Fuse Resistor, CC: Carbon Composition, MF: Metal Oxide Film. |
| | Semiconductors.....TR: Transistor, DI: Diode, ZD: Zener Diode, VA: Varistor, TH: Thermistor. |


| SYMBOL NO. | PART NO. | DESCRIPTION | SYMBOL NO. | PART NO. | DESCRIPTION |
|------------|----------|--------------------------------|------------|----------|----------------------------|
| #001 | QJ02813 | STAND ASS'Y | #318 | MJ03895 | 4X10 SCREW D3 BIND CP-GRIP |
| #06 | MJ04056 | SCREW M3X8 | #320 | MJ03467 | SCREW PAN M3*8 |
| #0800 | KS21321 | FRONT FILTER | #324 | MJ03895 | 4X10 SCREW D3 BIND CP-GRIP |
| #1017 | ML02191 | CABLE CLAMP | #330 | PC06501 | POWER BUTTON ASS'Y |
| #10A | SG41972 | CARTON BOX | #340 | MJ03733 | SCREW M3X10 |
| #110 | PM30966 | DECO BAR TOP | #350 | MJ03959 | SCREW M5X17 |
| #118 | MJ03618 | 4X10 TAPPING SCREW WITH WASHER | #362 | PC06781 | SHAFT FOR POWER BUTTON |
| #120 | PM30974 | DECO BAR BOTTOM | #364 | MJ03467 | SCREW PAN M3*8 |
| #128 | MJ03618 | 4X10 TAPPING SCREW WITH WASHER | #374 | ML02191 | CABLE CLAMP |
| #129 | MJ04056 | SCREW M3X8 | #376 | MJ03467 | SCREW PAN M3*8 |
| #130 | PH37594 | SPEAKER GRILL ASS'Y RIGHT | #40 | SP21632 | TOP CUSHION |
| #131 | MF01854 | GASKET | #402 | PH39851 | CONTROL ASS'Y |
| #131D | MJ03568 | 4X16 DT SCREW | #406 | ML01082 | CABLE CLAMP |
| #135 | MJ03467 | SCREW PAN M3*8 | #414 | MJ03733 | SCREW M3X10 |
| #135 | PH37605 | SPEAKER GRILL ASS'Y LEFT | #414 | ML01082 | CABLE CLAMP |
| #137 | MJ03467 | SCREW PAN M3*8 | #414A | ML01082 | CABLE CLAMP |
| #139 | MJ03351 | SCREW D-SUB | #420 | MJ03467 | SCREW PAN M3*8 |
| #148 | MJ03568 | 4X16 DT SCREW | #420 | MJ03568 | 4X16 DT SCREW |
| #150 | MN09131A | AIR FILTER 10X9X966 | #422 | MJ03895 | 4X10 SCREW D3 BIND CP-GRIP |
| #152 | MJ03467 | SCREW PAN M3*8 | #423 | MJ04061 | PAN SCREW M4X10 |
| #152 | MN09132A | AIR FILTER 10X9X564 | #424 | MJ04061 | PAN SCREW M4X10 |
| #160 | MJ04013 | SCREW M3X16 | #428 | MJ04061 | PAN SCREW M4X10 |
| #170 | MJ04056 | SCREW M3X8 | #430 | MF02024 | GASKET 6-1-265 J1G |
| #171 | MJ04076 | SCREW M3X8 | #430 | MF02025 | GASKET 10-1-115 |
| #173 | ML02731 | CABLE CLAMP | #434 | MF02252 | GASKET 10-6-25 J1G |
| #173A | ML02731 | CABLE CLAMP | #50 | SP21642 | BOTTOM CUSHION |
| #176 | MJ04076 | SCREW M3X8 | #520 | PH38047 | INPUT ASS'Y |
| #177 | ML02241 | LOCKING CARD SPACER | #528 | MJ03733 | SCREW M3X10 |
| #178 | ML02281 | CARD SPACER KGPS 12 | #540 | MJ03467 | SCREW PAN M3*8 |
| #20 | SG40141 | TRAY (CARTON BOX) | #542 | MF02025 | GASKET 10-1-115 |
| #214 | ML02731 | CABLE CLAMP | #60 | MM00181 | GRIP JOINT(CARTON BOX) |
| #230 | MJ03467 | SCREW PAN M3*8 | #615 | QJ03381 | STAND PLATE |
| #232 | MJ03467 | SCREW PAN M3*8 | #70 | SU03391 | LAMINATE COVER |
| #232 | MJ03895 | 4X10 SCREW D3 BIND CP-GRIP | #710 | QA03491 | BACK COVER |
| #234 | MJ03618 | 4X10 TAPPING SCREW WITH WASHER | #712 | PH35781 | BACK COVER GRIP |
| #30 | SG38402 | CARTON BOX PAD | #714 | MF02025 | GASKET 10-1-115 |
| #300 | NA75404 | BOTTOM COVER | #716 | MF02023 | GASKET 6-3-100 |
| #303 | MJ03895 | 4X10 SCREW D3 BIND CP-GRIP | #720 | MJ03895 | 4X10 SCREW D3 BIND CP-GRIP |
| #305 | MF02024 | GASKET 6-1-265 J1G | #722 | MJ03989 | SCREW M6X12 |
| #306 | NA83191 | TERMINAL DOOR | #723 | MJ03989 | SCREW M6X12 |
| #31 | QL00631 | LABEL | #726 | QL21403 | TEMP CAUTION LABEL |
| #310 | MJ03467 | SCREW PAN M3*8 | #730 | ML02262 | CABLE CLAMP |
| #310 | MJ03895 | 4X10 SCREW D3 BIND CP-GRIP | #732 | MJ04036 | SCREW M4X14 |
| #312 | MK02151 | ANTENNA NUT | #740 | ML02111 | CABLE CLAMP |
| #313 | MK01518 | ANTENNA WASHER | #767 | ML01082 | CABLE CLAMP |
| #314 | MJ03351 | SCREW D-SUB | #768 | ML02283 | CARD SPACER KGPS 5 |
| #315 | MF02023 | GASKET 6-3-100 | #770 | MJ04056 | SCREW M3X8 |
| #316 | MJ03733 | SCREW M3X10 | #772 | MJ04061 | PAN SCREW M4X10 |

42PD9800TA (FW1)

PRODUCT SAFETY NOTE : Components marked with a \triangle have special characteristics important to safety.
Before replacing any of there components,read carefully,the CAUTION FOR SAFETY of this Service Manual.
Don't degrade the safety of the receiver through improper servicing.


| SYMBOL NO. | PART NO. | DESCRIPTION | SYMBOL NO. | PART NO. | DESCRIPTION |
|------------|----------|---------------------------------|------------|----------|-------------------------------------|
| A11 | UX27231 | PWB ASS'Y MAIN | C345 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V |
| A21 | JP53811 | PWB ASS'Y SUB | C346 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V |
| A31 | JP53841 | PWB ASS'Y FILTER | C347 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V |
| C001 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V | C348 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V |
| C002 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V | C349 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V |
| C003 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V | C350 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V |
| C004 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V | C351 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V |
| C005 | 0893116R | CAPACITOR CHIP 18PF +-5% 50V | C352 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V |
| C006 | 0893116R | CAPACITOR CHIP 18PF +-5% 50V | C353 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V |
| C007 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V | C354 | AA01216R | CAPACITOR CHIP 1MF +-10% 6.3V |
| C008 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V | C366 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C009 | 0893193R | CAPACITOR CHIP 0.01MF +-10% 25V | C367 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C011 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V | C368 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C013 | AA01144R | CAPACITOR CHIP 1MF +-10% 16V | C369 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C014 | AA00822R | CAPACITOR CHIP 1000PF +-5% 50V | C370 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C015 | 0893126R | CAPACITOR CHIP 100PF +-5% 50V | C371 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C016 | AA01144R | CAPACITOR CHIP 1MF +-10% 16V | C372 | AA01115R | CAPACITOR CHIP 4.7MF +-10% 6.3V |
| C017 | AA00822R | CAPACITOR CHIP 1000PF +-5% 50V | C373 | AA01115R | CAPACITOR CHIP 4.7MF +-10% 6.3V |
| C018 | 0893126R | CAPACITOR CHIP 100PF +-5% 50V | C374 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V |
| C019 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | C375 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V |
| C020 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | C376 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V |
| C021 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V | C377 | AA01216R | CAPACITOR CHIP 1MF +-10% 6.3V |
| C022 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V | C378 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V |
| C023 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V | C379 | AA01216R | CAPACITOR CHIP 1MF +-10% 6.3V |
| C300 | AA00968R | CAPACITOR CHIP 10MF +-20% 6.3V | C3L7 | AA01115R | CAPACITOR CHIP 4.7MF +-10% 6.3V |
| C302 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V | C3L8 | AA01115R | CAPACITOR CHIP 4.7MF +-10% 6.3V |
| C303 | AA00968R | CAPACITOR CHIP 10MF +-20% 6.3V | C3M0 | AD10488R | CAPACITOR CHIP 100UF +-20% 4V |
| C305 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V | C3M1 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C306 | AA00968R | CAPACITOR CHIP 10MF +-20% 6.3V | C3M2 | AD10488R | CAPACITOR CHIP 100UF +-20% 4V |
| C308 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V | C3M3 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C309 | AA00969R | CAPACITOR CHIP 22MF +-10% 6.3V | C3M5 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C310 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V | C3M7 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V |
| C311 | AA00969R | CAPACITOR CHIP 22MF +-10% 6.3V | C3M8 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V |
| C312 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V | C3M9 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V |
| C313 | AA00969R | CAPACITOR CHIP 22MF +-10% 6.3V | C3N0 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V |
| C314 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V | C3N1 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V |
| C315 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | C3N2 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V |
| C316 | AA00955R | CAPACITOR CHIP 4.7MF +-10% 16V | C3N3 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C318 | 0893267R | CAPACITOR CHIP 22PF +-5% 50V | C3N5 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V |
| C319 | 0893267R | CAPACITOR CHIP 22PF +-5% 50V | C3N6 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V |
| C321 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | C3X0 | 0893108R | CAPACITOR CHIP 6PF +-0.25PF 50V |
| C323 | 0893258R | CAPACITOR CHIP 6PF +-0.5% 50V | C3X1 | 0893108R | CAPACITOR CHIP 6PF +-0.25PF 50V |
| C324 | 0893264R | CAPACITOR CHIP 12PF +-5% 50V | C414 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C327 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | C415 | AA01116R | CAPACITOR CHIP 10MF +-10% 6.3V |
| C329 | 0893258R | CAPACITOR CHIP 6PF +-0.5% 50V | C434 | AA01116R | CAPACITOR CHIP 10MF +-10% 6.3V |
| C330 | 0893264R | CAPACITOR CHIP 12PF +-5% 50V | C435 | AA01116R | CAPACITOR CHIP 10MF +-10% 6.3V |
| C331 | 0893257R | CAPACITOR CHIP 5PF +-0.25PF 50V | C438 | 0893177R | CAPACITOR CHIP 0.068MF +-10% 16V |
| C333 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | C439 | 0893177R | CAPACITOR CHIP 0.068MF +-10% 16V |
| C334 | 0893267R | CAPACITOR CHIP 22PF +-5% 50V | C440 | 0893356R | CAPACITOR CHIP 0.022UF +-10% 16V |
| C335 | 0893267R | CAPACITOR CHIP 22PF +-5% 50V | C441 | 0893356R | CAPACITOR CHIP 0.022UF +-10% 16V |
| C337 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | C442 | 0893356R | CAPACITOR CHIP 0.022UF +-10% 16V |
| C339 | 0893258R | CAPACITOR CHIP 6PF +-0.5% 50V | C443 | 0893356R | CAPACITOR CHIP 0.022UF +-10% 16V |
| C340 | 0893264R | CAPACITOR CHIP 12PF +-5% 50V | C444 | 0893347R | CAPACITOR, CHIP 0.1MF +80% -20% 16V |
| C341 | 0893257R | CAPACITOR CHIP 5PF +-0.25PF 50V | C445 | AD00658R | CAPACITOR EL CHIP 100MF 50V |
| C343 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | C446 | AA01113R | CAPACITOR CHIP 2.2MF +-10% 6.3V |
| C344 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V | C447 | AA01116R | CAPACITOR CHIP 10MF +-10% 6.3V |




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| SYMBOL NO. | PART NO. | DESCRIPTION | SYMBOL NO. | PART NO. | DESCRIPTION |
|------------|----------|----------------------------------|------------|----------|----------------------------------|
| C448 | AA01116R | CAPACITOR CHIP 10MF +-10% 6.3V | C4A4 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C449 | AA00699R | CAPACITOR CHIP 10MF +-10% 16V | C500 | AA00968R | CAPACITOR CHIP 10MF +-20% 6.3V |
| C450 | AA01144R | CAPACITOR CHIP 1MF +-10% 16V | C501 | AA00968R | CAPACITOR CHIP 10MF +-20% 6.3V |
| C451 | AA01144R | CAPACITOR CHIP 1MF +-10% 16V | C502 | AA00968R | CAPACITOR CHIP 10MF +-20% 6.3V |
| C452 | AA01144R | CAPACITOR CHIP 1MF +-10% 16V | C503 | AA00968R | CAPACITOR CHIP 10MF +-20% 6.3V |
| C453 | AA01144R | CAPACITOR CHIP 1MF +-10% 16V | C504 | 0893356R | CAPACITOR CHIP 0.022UF +-10% 16V |
| C454 | AA01144R | CAPACITOR CHIP 1MF +-10% 16V | C505 | 0893356R | CAPACITOR CHIP 0.022UF +-10% 16V |
| C455 | AA01143R | CAPACITOR CHIP 0.22MF +-10% 16V | C506 | 0893356R | CAPACITOR CHIP 0.022UF +-10% 16V |
| C456 | AA01143R | CAPACITOR CHIP 0.22MF +-10% 16V | C507 | 0893356R | CAPACITOR CHIP 0.022UF +-10% 16V |
| C457 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V | C508 | 0893356R | CAPACITOR CHIP 0.022UF +-10% 16V |
| C458 | AA01144R | CAPACITOR CHIP 1MF +-10% 16V | C509 | 0893356R | CAPACITOR CHIP 0.022UF +-10% 16V |
| C459 | AA01143R | CAPACITOR CHIP 0.22MF +-10% 16V | C510 | 0893356R | CAPACITOR CHIP 0.022UF +-10% 16V |
| C460 | AA01143R | CAPACITOR CHIP 0.22MF +-10% 16V | C511 | 0893356R | CAPACITOR CHIP 0.022UF +-10% 16V |
| C461 | 0893099R | CAPACITOR CHIP, 0.47MF +-10% 16V | C512 | 0893356R | CAPACITOR CHIP 0.022UF +-10% 16V |
| C462 | AA01143R | CAPACITOR CHIP 0.22MF +-10% 16V | C513 | 0893356R | CAPACITOR CHIP 0.022UF +-10% 16V |
| C463 | AA01143R | CAPACITOR CHIP 0.22MF +-10% 16V | C514 | 0893356R | CAPACITOR CHIP 0.022UF +-10% 16V |
| C464 | AA01144R | CAPACITOR CHIP 1MF +-10% 16V | C515 | 0893356R | CAPACITOR CHIP 0.022UF +-10% 16V |
| C465 | AD00443R | CAPACITOR EL CHIP 220MF 16V | C516 | 0893356R | CAPACITOR CHIP 0.022UF +-10% 16V |
| C466 | AA01144R | CAPACITOR CHIP 1MF +-10% 16V | C517 | 0893356R | CAPACITOR CHIP 0.022UF +-10% 16V |
| C467 | AA01144R | CAPACITOR CHIP 1MF +-10% 16V | C518 | 0893356R | CAPACITOR CHIP 0.022UF +-10% 16V |
| C468 | AD00443R | CAPACITOR EL CHIP 220MF 16V | C519 | 0893356R | CAPACITOR CHIP 0.022UF +-10% 16V |
| C469 | AA01144R | CAPACITOR CHIP 1MF +-10% 16V | C520 | 0893356R | CAPACITOR CHIP 0.022UF +-10% 16V |
| C470 | 0893099R | CAPACITOR CHIP, 0.47MF +-10% 16V | C521 | 0893356R | CAPACITOR CHIP 0.022UF +-10% 16V |
| C471 | AA01143R | CAPACITOR CHIP 0.22MF +-10% 16V | C522 | 0893356R | CAPACITOR CHIP 0.022UF +-10% 16V |
| C472 | AA01143R | CAPACITOR CHIP 0.22MF +-10% 16V | C523 | 0893356R | CAPACITOR CHIP 0.022UF +-10% 16V |
| C473 | AA00699R | CAPACITOR CHIP 10MF +-10% 16V | C524 | 0893263R | CAPACITOR CHIP 10PF +-0.5% 50V |
| C474 | AA01144R | CAPACITOR CHIP 1MF +-10% 16V | C525 | 0893263R | CAPACITOR CHIP 10PF +-0.5% 50V |
| C475 | AA01144R | CAPACITOR CHIP 1MF +-10% 16V | C526 | AA01216R | CAPACITOR CHIP 1MF +-10% 6.3V |
| C476 | AA01144R | CAPACITOR CHIP 1MF +-10% 16V | C527 | AA01116R | CAPACITOR CHIP 10MF +-10% 6.3V |
| C477 | AA01144R | CAPACITOR CHIP 1MF +-10% 16V | C528 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C478 | AA01144R | CAPACITOR CHIP 1MF +-10% 16V | C529 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C479 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V | C530 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C480 | AA01144R | CAPACITOR CHIP 1MF +-10% 16V | C531 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C481 | AA01143R | CAPACITOR CHIP 0.22MF +-10% 16V | C532 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C482 | AA01143R | CAPACITOR CHIP 0.22MF +-10% 16V | C533 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C483 | 0893099R | CAPACITOR CHIP, 0.47MF +-10% 16V | C534 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C484 | AA01143R | CAPACITOR CHIP 0.22MF +-10% 16V | C535 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C485 | AA01143R | CAPACITOR CHIP 0.22MF +-10% 16V | C536 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C486 | AA01143R | CAPACITOR CHIP 0.22MF +-10% 16V | C537 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C487 | AA01143R | CAPACITOR CHIP 0.22MF +-10% 16V | C538 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C488 | 0893099R | CAPACITOR CHIP, 0.47MF +-10% 16V | C539 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C489 | AA01143R | CAPACITOR CHIP 0.22MF +-10% 16V | C540 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C490 | AA01143R | CAPACITOR CHIP 0.22MF +-10% 16V | C541 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C491 | AA01144R | CAPACITOR CHIP 1MF +-10% 16V | C542 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C492 | AA01144R | CAPACITOR CHIP 1MF +-10% 16V | C543 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C493 | AA01144R | CAPACITOR CHIP 1MF +-10% 16V | C544 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C494 | AA01144R | CAPACITOR CHIP 1MF +-10% 16V | C545 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C495 | AD00443R | CAPACITOR EL CHIP 220MF 16V | C546 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C496 | AD00443R | CAPACITOR EL CHIP 220MF 16V | C547 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C497 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | C548 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C498 | AA01144R | CAPACITOR CHIP 1MF +-10% 16V | C549 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C499 | AA01144R | CAPACITOR CHIP 1MF +-10% 16V | C550 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C4A0 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V | C551 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C4A1 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V | C552 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C4A2 | AA01115R | CAPACITOR CHIP 4.7MF +-10% 6.3V | C553 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C4A3 | AA01115R | CAPACITOR CHIP 4.7MF +-10% 6.3V | C554 | AA01116R | CAPACITOR CHIP 10MF +-10% 6.3V |

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| SYMBOL NO. | PART NO. | DESCRIPTION | SYMBOL NO. | PART NO. | DESCRIPTION |
|--|----------|----------------------------------|------------|----------|----------------------------------|
| C555 | AA01116R | CAPACITOR CHIP 10MF +-10% 6.3V | CE11 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V |
| C560 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V | CE12 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C561 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V | CE13 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V |
| C562 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V | CE14 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C563 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V | CE15 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V |
| C564 | AD00662R | CAPACITOR CHIP EL 47MF 10V | CE16 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C565 | AD00662R | CAPACITOR CHIP EL 47MF 10V | CE17 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V |
| C568 | AA00955R | CAPACITOR CHIP 4.7MF +-10% 16V | CE18 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C601 | AA00934R | CAPACITOR CHIP 2.2MF +-10% 10V | CE21 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C602 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V | CE22 | AD10488R | CAPACITOR CHIP 100UF +-20% 4V |
| C603 | AA00966R | CAPACITOR CHIP 4.7MF +-20% 3.6V | CE30 | AD10488R | CAPACITOR CHIP 100UF +-20% 4V |
| C604 | AA01123R | CAPACITOR CHIP 0.1MF +-10% 10V | CE31 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C605 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V | CE33 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V |
| C606 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V | CE34 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C607 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V | CE35 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V |
| C608 | AA01126R | CAPACITOR CHIP 0.22MF +-10% 10V | CE36 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C609 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V | CE37 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C610 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V | CE38 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V |
| C751 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CE39 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C752 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V | CE60 | AD10488R | CAPACITOR CHIP 100UF +-20% 4V |
| C753 | AA01116R | CAPACITOR CHIP 10MF +-10% 6.3V | CE61 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| C901 | AN02089S | CAPACITOR 1MF +-10% 250V | CE63 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V |
|  C902 | AN02087S | CAPACITOR 0.47MF +-10% 250V | CE64 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
|  C903 | AJ00184F | CD 2200PF +-20% 400V | CE65 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V |
|  C904 | AJ00184F | CD 2200PF +-20% 400V | CE66 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CA01 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V | CE67 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CA02 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V | CE68 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V |
| CA03 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V | CE69 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CA04 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V | CE90 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CA05 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V | CE91 | AA01111R | CAPACITOR CHIP 1MF +-10% 6.3V |
| CA06 | AD00632R | CAPACITOR EL CHIP 47MF 16V | CE93 | 0893135R | CAPACITOR CHIP 470PF +-5% 50V |
| CA11 | AD00658R | CAPACITOR EL CHIP 100MF 50V | CEA0 | AA01111R | CAPACITOR CHIP 1MF +-10% 6.3V |
| CA12 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CEA1 | AA01111R | CAPACITOR CHIP 1MF +-10% 6.3V |
| CA13 | AD00629R | CAPACITOR EL CHIP 10MF 16V | CEA3 | 0893135R | CAPACITOR CHIP 470PF +-5% 50V |
| CA14 | AA01116R | CAPACITOR CHIP 10MF +-10% 6.3V | CEE3 | AA01115R | CAPACITOR CHIP 4.7MF +-10% 6.3V |
| CA19 | AA01144R | CAPACITOR CHIP 1MF +-10% 16V | CEH0 | AD10488R | CAPACITOR CHIP 100UF +-20% 4V |
| CA20 | AD00631R | CAPACITOR EL CHIP 22MF 16V | CEH1 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CA21 | AD00631R | CAPACITOR EL CHIP 22MF 16V | CEH2 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CA25 | 0893135R | CAPACITOR CHIP 470PF +-5% 50V | CEH3 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CA27 | AA01144R | CAPACITOR CHIP 1MF +-10% 16V | CEH4 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CC02 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V | CEH5 | AD10488R | CAPACITOR CHIP 100UF +-20% 4V |
| CC03 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V | CEH6 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CC04 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CEM3 | AA01115R | CAPACITOR CHIP 4.7MF +-10% 6.3V |
| CC05 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CEP0 | AD10488R | CAPACITOR CHIP 100UF +-20% 4V |
| CC06 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CEP2 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CC07 | 0893266R | CAPACITOR CHIP 18PF +-5% 50V | CEP3 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CE00 | AD10488R | CAPACITOR CHIP 100UF +-20% 4V | CEP4 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CE02 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CEP5 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CE03 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V | CEP6 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CE04 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CEP7 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CE05 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V | CEP8 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CE06 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CEP9 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CE07 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V | CER0 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CE08 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CER1 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CE09 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V | CER2 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CE10 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CER3 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |

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| SYMBOL NO. | PART NO. | DESCRIPTION | SYMBOL NO. | PART NO. | DESCRIPTION |
|------------|----------|----------------------------------|------------|----------|----------------------------------|
| CER4 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CH28 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V |
| CER5 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CH29 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V |
| CER6 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CH30 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V |
| CER7 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CH31 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CER8 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CH32 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V |
| CER9 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CH33 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CES0 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CH34 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CES1 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CH35 | AA01116R | CAPACITOR CHIP 10MF +-10% 6.3V |
| CES2 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CH36 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CES3 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CH37 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V |
| CES4 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CH38 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CES5 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CH39 | AA01116R | CAPACITOR CHIP 10MF +-10% 6.3V |
| CES6 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CH40 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V |
| CES7 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CH41 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CES8 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CH42 | 0893262R | CAPACITOR CHIP 9PF +-0.5% 50V |
| CES9 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CH43 | 0893262R | CAPACITOR CHIP 9PF +-0.5% 50V |
| CET0 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CH44 | AA01116R | CAPACITOR CHIP 10MF +-10% 6.3V |
| CET1 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CH45 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CET2 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CH46 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V |
| CET3 | AD10488R | CAPACITOR CHIP 100UF +-20% 4V | CH47 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CEU0 | AA01115R | CAPACITOR CHIP 4.7MF +-10% 6.3V | CH48 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V |
| CEU1 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CH49 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V |
| CEX0 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V | CH50 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V |
| CEX1 | AA01111R | CAPACITOR CHIP 1MF +-10% 6.3V | CH51 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CEX3 | 0893135R | CAPACITOR CHIP 470PF +-5% 50V | CH52 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CEX4 | AA01115R | CAPACITOR CHIP 4.7MF +-10% 6.3V | CH53 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V |
| CEY0 | 0893188R | CAPACITOR CHIP 0.047MF +-10% 16V | CH54 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CEY1 | 0893213R | CAPACITOR CHIP 2200PF 50V | CH55 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V |
| CEY2 | 0893222R | CAPACITOR CHIP 0.01MF +-10% 50V | CH56 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V |
| CEY3 | 0893222R | CAPACITOR CHIP 0.01MF +-10% 50V | CH57 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CEY5 | AA00937R | CAPACITOR CHIP 10MF +-10% 10V | CH58 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CEY6 | AA00969R | CAPACITOR CHIP 22MF +-10% 6.3V | CH59 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CEZ0 | 0893188R | CAPACITOR CHIP 0.047MF +-10% 16V | CH60 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V |
| CEZ1 | 0893213R | CAPACITOR CHIP 2200PF 50V | CH61 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V |
| CEZ2 | 0893222R | CAPACITOR CHIP 0.01MF +-10% 50V | CH62 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CEZ3 | 0893222R | CAPACITOR CHIP 0.01MF +-10% 50V | CH63 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CEZ5 | AA00937R | CAPACITOR CHIP 10MF +-10% 10V | CH64 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V |
| CEZ6 | AA00969R | CAPACITOR CHIP 22MF +-10% 6.3V | CH65 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CH07 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CH66 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V |
| CH08 | AA01216R | CAPACITOR CHIP 1MF +-10% 6.3V | CH67 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CH09 | AA01116R | CAPACITOR CHIP 10MF +-10% 6.3V | CH68 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V |
| CH10 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CH69 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V |
| CH11 | AA01116R | CAPACITOR CHIP 10MF +-10% 6.3V | CH70 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CH12 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CH71 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V |
| CH13 | AA01116R | CAPACITOR CHIP 10MF +-10% 6.3V | CH72 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V |
| CH17 | AA01116R | CAPACITOR CHIP 10MF +-10% 6.3V | CH73 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CH18 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CH74 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V |
| CH19 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CH75 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CH20 | AA01116R | CAPACITOR CHIP 10MF +-10% 6.3V | CH76 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V |
| CH21 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CH77 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V |
| CH22 | AA01116R | CAPACITOR CHIP 10MF +-10% 6.3V | CH78 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CH23 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V | CH79 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V |
| CH24 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V | CH80 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V |
| CH25 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CH81 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CH26 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CH82 | AA00968R | CAPACITOR CHIP 10MF +-20% 6.3V |
| CH27 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V | CH83 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |

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| SYMBOL NO. | PART NO. | DESCRIPTION | SYMBOL NO. | PART NO. | DESCRIPTION |
|------------|----------|-------------------------------------|------------|----------|---------------------------------|
| CH84 | CE00151R | VARISTOR EZJZ0V80010 | CR31 | AA01116R | CAPACITOR CHIP 10MF +-10% 6.3V |
| CH85 | CE00151R | VARISTOR EZJZ0V80010 | CR32 | AA01955R | CAPACITOR CHIP 1000PF +-10% 50V |
| CH86 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V | CR33 | AA01955R | CAPACITOR CHIP 1000PF +-10% 50V |
| CH87 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V | CR36 | AD00421R | CAPACITOR EL CHIP 470MF 6.3V |
| CH96 | AA00968R | CAPACITOR CHIP 10MF +-20% 6.3V | CR38 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CH97 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CR39 | AA01116R | CAPACITOR CHIP 10MF +-10% 6.3V |
| CH98 | CE00151R | VARISTOR EZJZ0V80010 | CR40 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CH99 | CE00151R | VARISTOR EZJZ0V80010 | CR41 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CHA1 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V | CR42 | AA01116R | CAPACITOR CHIP 10MF +-10% 6.3V |
| CHA2 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V | CR43 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CHC1 | AA00968R | CAPACITOR CHIP 10MF +-20% 6.3V | CR46 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CHC2 | AA00968R | CAPACITOR CHIP 10MF +-20% 6.3V | CR47 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CHC3 | AA00968R | CAPACITOR CHIP 10MF +-20% 6.3V | CR48 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CHC4 | AA00955R | CAPACITOR CHIP 4.7MF +-10% 16V | CR49 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CHC5 | 0893349R | CAPACITOR CHIP 4700PF +-10% 50V | CR50 | 0893348R | CAPACITOR CHIP 0.01MF +-10% 25V |
| CHC6 | 0893349R | CAPACITOR CHIP 4700PF +-10% 50V | CR51 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CHC7 | AA00968R | CAPACITOR CHIP 10MF +-20% 6.3V | CR52 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CHC9 | AA01144R | CAPACITOR CHIP 1MF +-10% 16V | CR53 | 0893348R | CAPACITOR CHIP 0.01MF +-10% 25V |
| CHE0 | AA01144R | CAPACITOR CHIP 1MF +-10% 16V | CR54 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CHE1 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V | CR55 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CHE4 | 0893341R | CAPACITOR CHIP 0.01UF +80% -20% 50V | CR56 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CHE7 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CR57 | AD00658R | CAPACITOR EL CHIP 100MF 50V |
| CHE8 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CR58 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CLP1 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V | CR59 | AD00658R | CAPACITOR EL CHIP 100MF 50V |
| CM01 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V | CR60 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CM02 | AA10872R | CAPACITOR CHIP 0.1MF +-10% 10V | CR61 | AA01955R | CAPACITOR CHIP 1000PF +-10% 50V |
| CM03 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CR67 | AA01955R | CAPACITOR CHIP 1000PF +-10% 50V |
| CM04 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CR68 | AA01955R | CAPACITOR CHIP 1000PF +-10% 50V |
| CMP1 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CR69 | AA01955R | CAPACITOR CHIP 1000PF +-10% 50V |
| CMP2 | AD00441R | CAPACITOR EL CHIP 100MF 16V | CR70 | AA01955R | CAPACITOR CHIP 1000PF +-10% 50V |
| CMP3 | AA01347R | CAPACITOR CHIP 0.1MF +-10% 25V | CR71 | AA01955R | CAPACITOR CHIP 1000PF +-10% 50V |
| CMP4 | AD00441R | CAPACITOR EL CHIP 100MF 16V | CR72 | AA01955R | CAPACITOR CHIP 1000PF +-10% 50V |
| CMP5 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CR73 | AD00629R | CAPACITOR EL CHIP 10MF 16V |
| CMP6 | AD00439R | CAPACITOR EL CHIP 47MF 16V | CR74 | AA01121R | CAPACITOR CHIP 0.47MF +-10% 10V |
| CMP7 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CR75 | AA01121R | CAPACITOR CHIP 0.47MF +-10% 10V |
| CN03 | 0890039W | CAPACITOR CD 4700PF +-20% 16V | CR78 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CN04 | 0890039W | CAPACITOR CD 4700PF +-20% 16V | CR79 | 0893348R | CAPACITOR CHIP 0.01MF +-10% 25V |
| CR01 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V | CR80 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CR02 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V | CR81 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CR03 | AA01116R | CAPACITOR CHIP 10MF +-10% 6.3V | CR82 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CR04 | AA01116R | CAPACITOR CHIP 10MF +-10% 6.3V | CR83 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CR05 | AA01116R | CAPACITOR CHIP 10MF +-10% 6.3V | CR84 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CR06 | AA01116R | CAPACITOR CHIP 10MF +-10% 6.3V | CR85 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CR07 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CR86 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CR11 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V | CR87 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CR12 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V | CR88 | AD00658R | CAPACITOR EL CHIP 100MF 50V |
| CR13 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CR89 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CR14 | AA01955R | CAPACITOR CHIP 1000PF +-10% 50V | CR90 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CR15 | AA01955R | CAPACITOR CHIP 1000PF +-10% 50V | CR92 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CR18 | AA01955R | CAPACITOR CHIP 1000PF +-10% 50V | CR93 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CR19 | AA01955R | CAPACITOR CHIP 1000PF +-10% 50V | CR94 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CR22 | AA01955R | CAPACITOR CHIP 1000PF +-10% 50V | CR95 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CR23 | AA01955R | CAPACITOR CHIP 1000PF +-10% 50V | CR96 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CR26 | AA01955R | CAPACITOR CHIP 1000PF +-10% 50V | CR97 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CR27 | AA01955R | CAPACITOR CHIP 1000PF +-10% 50V | CR98 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CR30 | AA01116R | CAPACITOR CHIP 10MF +-10% 6.3V | CR99 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |



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| SYMBOL NO. | PART NO. | DESCRIPTION | SYMBOL NO. | PART NO. | DESCRIPTION |
|------------|----------|-------------------------------------|------------|----------|----------------------------------|
| CT01 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V | CT64 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CT02 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V | CT65 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CT03 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V | CT66 | AA00699R | CAPACITOR CHIP 10MF +-10% 16V |
| CT04 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V | CT67 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CT05 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V | CT68 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CT06 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V | CT69 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CT07 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CT70 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CT08 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V | CT71 | AA00937R | CAPACITOR CHIP 10MF +-10% 10V |
| CT09 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V | CT78 | AD00632R | CAPACITOR EL CHIP 47MF 16V |
| CT10 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | CT80 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CT11 | AD00658R | CAPACITOR EL CHIP 100MF 50V | CT81 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V |
| CT12 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V | CT82 | AA00951R | CAPACITOR CHIP 1.0MF +-10% 16V |
| CT13 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V | CT83 | AA00951R | CAPACITOR CHIP 1.0MF +-10% 16V |
| CT14 | 0800359R | CAPACITOR EL 1000MF 10V | CT85 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V |
| CT15 | 0800359R | CAPACITOR EL 1000MF 10V | CT86 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CT16 | 0800359R | CAPACITOR EL 1000MF 10V | CT87 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CT17 | 0800359R | CAPACITOR EL 1000MF 10V | CT89 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V |
| CT18 | AD00479R | CAPACITOR EL CHIP 10MF 50V | CT90 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V |
| CT20 | 0893341R | CAPACITOR CHIP 0.01UF +80% -20% 50V | CT91 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V |
| CT21 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V | CT92 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V |
| CT22 | 0893341R | CAPACITOR CHIP 0.01UF +80% -20% 50V | CT95 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V |
| CT23 | 0893175R | CAPACITOR CHIP 1000PF +-5% 50V | CY01 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CT25 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V | CY02 | 0893276R | CAPACITOR, CHIP 100PF +-10% 50V |
| CT26 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V | CY03 | AD00658R | CAPACITOR EL CHIP 100MF 50V |
| CT28 | AD00479R | CAPACITOR EL CHIP 10MF 50V | CY04 | 0893312R | CAPACITOR CHIP 270PF +-10% 50V |
| CT29 | 0893341R | CAPACITOR CHIP 0.01UF +80% -20% 50V | CY05 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CT30 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V | CY06 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CT31 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V | CY07 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CT32 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V | CY08 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CT35 | 0893273R | CAPACITOR CHIP 56PF +-5% 50V | CY09 | 0893276R | CAPACITOR, CHIP 100PF +-10% 50V |
| CT36 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V | CY10 | AD00631R | CAPACITOR EL CHIP 22MF 16V |
| CT37 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V | CY11 | 0893276R | CAPACITOR, CHIP 100PF +-10% 50V |
| CT38 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V | CY12 | AD00658R | CAPACITOR EL CHIP 100MF 50V |
| CT39 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V | CY13 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V |
| CT40 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V | CY14 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V |
| CT41 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V | CY15 | AD00658R | CAPACITOR EL CHIP 100MF 50V |
| CT42 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V | D402 | CC01921R | DIODE SDS142WKF_PF |
| CT43 | 0893276R | CAPACITOR, CHIP 100PF +-10% 50V | D403 | CC01921R | DIODE SDS142WKF_PF |
| CT44 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V | D404 | CC01891R | DIODE CHIP SDS511 PF |
| CT45 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V | D406 | CC01921R | DIODE SDS142WKF_PF |
| CT46 | 0893273R | CAPACITOR CHIP 56PF +-5% 50V | D407 | CC01891R | DIODE CHIP SDS511 PF |
| CT47 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V | D601 | CC02004R | DIODE ZENER CHIP UDZSTE-176.2B |
| CT48 | AD00661R | CAPACITOR EL CHIP 220MF 6.3V | D602 | CC02161R | DIODE CHIP RB551V-30TE |
| CT49 | 0893273R | CAPACITOR CHIP 56PF +-5% 50V | D603 | CC02004R | DIODE ZENER CHIP UDZSTE-176.2B |
| CT50 | 0893255R | CAPACITOR CHIP 3PF +-0.25% 50V | D604 | CC02004R | DIODE ZENER CHIP UDZSTE-176.2B |
| CT51 | 0893256R | CAPACITOR CHIP 4PF +-0.25PF 50V | D605 | CC02004R | DIODE ZENER CHIP UDZSTE-176.2B |
| CT54 | AD00621R | CAPACITOR EL CHIP 22MF 6.3V | D606 | CC01891R | DIODE CHIP SDS511 PF |
| CT55 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V | D607 | CC01891R | DIODE CHIP SDS511 PF |
| CT56 | AA01231R | CAPACITOR CHIP 0.1MF +-10% 16V | D608 | CC02004R | DIODE ZENER CHIP UDZSTE-176.2B |
| CT57 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V | DA03 | CC01891R | DIODE CHIP SDS511 PF |
| CT58 | 0893333R | CAPACITOR, CHIP 0.01PF +-10% 16V | DA04 | CC02002R | DIODE ZENER CHIP UDZSTE-175.1B |
| CT59 | AD00631R | CAPACITOR EL CHIP 22MF 16V | DA05 | CC01891R | DIODE CHIP SDS511 PF |
| CT60 | AA00699R | CAPACITOR CHIP 10MF +-10% 16V | DA06 | CC02111R | DIODE CHIP RB521G-30 |
| CT61 | AA00935R | CAPACITOR CHIP 3.3UF +-10% 10V | DA07 | CC01921R | DIODE SDS142WKF_PF |
| CT62 | AA01123R | CAPACITOR CHIP 1MF +-10% 10V | DEY0 | CC02211R | DIODE CHIP RSX201L-30 |
| CT63 | 0893319R | CAPACITOR, CHIP 1000PF +-10% 50V | DEZ0 | CC02211R | DIODE CHIP RSX201L-30 |

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| SYMBOL NO. | PART NO. | DESCRIPTION | SYMBOL NO. | PART NO. | DESCRIPTION |
|--|----------|--------------------------------|--|----------|----------------------------|
| DF01 | CC01995R | DIODE ZENER CHIP UDZSTE-173.0B | IA04 | CK55771R | IC MM1665XHBE |
| DH01 | CC01891R | DIODE CHIP SDS511 PF | IC01 | CK52581R | IC MAX4790EUS |
| DH02 | CC02111R | DIODE CHIP RB521G-30 | IC02 | CK55511R | IC TC7SG17FU |
| DH03 | CC01891R | DIODE CHIP SDS511 PF | IE30 | CK54761U | IC K4H561638H-UCCC |
| DH04 | CC02014R | DIODE ZENER CHIP UDZSTE-1715B | IE60 | CK54761U | IC K4H561638H-UCCC |
| DH05 | CC01891R | DIODE CHIP SDS511 PF | IE90 | CK53498R | IC MM1664AHBE |
| DH06 | CC02111R | DIODE CHIP RB521G-30 | IEA0 | CK55771R | IC MM1665XHBE |
| DH07 | CC01891R | DIODE CHIP SDS511 PF | IEU0 | CK52622U | IC S29AL032D70TFI030 |
| DH08 | CC02014R | DIODE ZENER CHIP UDZSTE-1715B | IEX0 | CK53491R | IC MM1663DHBE |
| DH10 | CC01891R | DIODE CHIP SDS511 PF | IEY0 | CK54161R | IC MP2361DK-LF-Z |
| DH11 | CC01911R | DIODE SDS142WAF_PF | IEZ0 | CK54161R | IC MP2361DK-LF-Z |
| DLP1 | CC02061R | LED CHIP SML-020MLT | IH01 | CK53052R | IC S-24CS02A |
| DT08 | CC01891R | DIODE CHIP SDS511 PF | IH02 | CK53052R | IC S-24CS02A |
| DY01 | CC01891R | DIODE CHIP SDS511 PF | IH05 | CK53431U | IC SII9023CTU |
| DY02 | CC01891R | DIODE CHIP SDS511 PF | IH06 | CK37211R | IC TK11118CSCL/-G |
| DY03 | CC01921R | DIODE SDS142WKF_PF | IH07 | CK53921R | IC WM8520H9GED/R |
| DY04 | CC01921R | DIODE SDS142WKF_PF | IH08 | CK53951R | IC MM1685LHBE |
| DY05 | CC01921R | DIODE SDS142WKF_PF | IH10 | CK50961R | IC SN74CB3T3306DCUR |
| DY06 | CC01921R | DIODE SDS142WKF_PF | IH11 | CK50961R | IC SN74CB3T3306DCUR |
| E001 | EF27002C | CONNECTOR HARNESS | ILP1 | CE00121R | SBX3050-02 |
| E002 | EF26991C | CONNECTOR HARNESS | IM01 | CK24551 | IC TC4066BFT |
| E01 | EV02091 | POWER CORD | IM02 | CK24551 | IC TC4066BFT |
| ECN64 | EF21623 | CONNECTOR 10P L=260 | IT01 | CK55221U | IC MSP4450G |
| ECN68 | 2908836S | CONNECTOR 9PIN L=160MM | IT02 | CK53951R | IC MM1685LHBE |
| ECNPPS1 | EF25978 | CONNECTOR 8P L=390MM | IT03 | CK53509R | IC MM1665AHBE |
| EFM1 | EK01871 | CONNECTOR FFC 80P L=170 | IY01 | CK54971U | IC AN15867A |
| EGND1 | EF27041 | LEAD WIRE WITH CIRCLE TERMINAL | IY02 | CK39891R | IC MM1631XJBE |
| EPU1 | EF22384 | CONNECTOR 6P L=420MM | IY03 | CK54101R | IC MAX9723DETE+TG069 |
| ESDB | EF26971 | CONNECTOR 14PIN L=590MM | J001 | ER00581 | JACK 1P |
| ESP1 | EF27051 | CPNNECTOR 8PIN L=390MM | J601 | EY01792 | CONNECTOR D-SUB 15P |
| ETU | EY02321 | PAL-RCA ADAPTOR CONNECTOR |  J901 | 2676371 | AC INLET |
| ETU2 | MF02039 | GASKET 10-2-48 J1G | JA01 | EQ00851 | JACK 9P |
|  F902 | FN00439 | FUSE HT 250V 6.3A 5.2X20MM | JC01 | EY01772R | SOCKET MEMORY CARD |
| FAN1 | GS00702 | DC FAN MOTOR | JH01 | EA02291U | CONNECTOR HDMI |
| FAN2 | GS00702 | DC FAN MOTOR | JH02 | EA02291U | CONNECTOR HDMI |
| I001 | CK50661U | IC M30627FHPGP | JN01 | ES00641 | JACK S+3P |
| I002 | CK38437R | IC BD5242G | JN02 | ER00591 | JACK STEREO MINI |
| I003 | CK53056R | IC S-24CS64A | JY01 | ES00631 | JACK |
| I3K0 | CK53056R | IC S-24CS64A | JY02 | EQ00911 | JACK 6P |
| I403 | CK55211R | IC R2S15901SP | K901 | 2784381A | TAPED JUMP.WIRE 0.60MM |
| I405 | CK54111R | IC TPA3100D2RGZR | K902 | 2784381A | TAPED JUMP.WIRE 0.60MM |
| I406 | CK54111R | IC TPA3100D2RGZR | K903 | 2784381A | TAPED JUMP.WIRE 0.60MM |
| I407 | CK51381R | IC NJM4580V-TE1 | K904 | 2784381A | TAPED JUMP.WIRE 0.60MM |
| I409 | CK37216R | IC TK11133CSCL | K905 | 2784381A | TAPED JUMP.WIRE 0.60MM |
| I410 | CK37212R | IC TK11125CSCL | K907 | 2784381A | TAPED JUMP.WIRE 0.60MM |
| I411 | CK50961R | IC SN74CB3T3306DCUR | K908 | 2784381A | TAPED JUMP.WIRE 0.60MM |
| I502 | CK37211R | IC TK11118CSCL/-G | KN01 | 2784381A | TAPED JUMP.WIRE 0.60MM |
| I601 | CK50693R | IC BR24C21FV-E2 | KN11 | 2784381A | TAPED JUMP.WIRE 0.60MM |
| I602 | CK39396R | ICPI5C3253CLEX | KN12 | 2784381A | TAPED JUMP.WIRE 0.60MM |
| I603 | CK34401R | IC SN74LV14APWR | KN13 | 2784381A | TAPED JUMP.WIRE 0.60MM |
| I604 | CK38325R | IC SN74LVC1G17DCKR | KN14 | 2784381A | TAPED JUMP.WIRE 0.60MM |
| I605 | CK38325R | IC SN74LVC1G17DCKR | KN15 | 2784381A | TAPED JUMP.WIRE 0.60MM |
| I606 | CK37218R | IC TK11150CSCL | KN16 | 2784381A | TAPED JUMP.WIRE 0.60MM |
| I705 | CK37216R | IC TK11133CSCL | KN17 | 2784381A | TAPED JUMP.WIRE 0.60MM |
| IA01 | CK50027R | IC MAX202IPWR | KN18 | 2784381A | TAPED JUMP.WIRE 0.60MM |
| IA03 | CK55331R | IC TX86287AM1 | L300 | BA00892R | COIL CHIP 47UH +-20% 150MA |

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| SYMBOL NO. | PART NO. | DESCRIPTION | SYMBOL NO. | PART NO. | DESCRIPTION |
|------------|----------|---------------------------------|------------|----------|------------------------------|
| L301 | BA01138R | INDUCTOR CHIP 12UH +-10% 15MA | LY23 | BA00892R | COIL CHIP 47UH +-20% 150MA |
| L302 | BA01127R | INDUCTOR CHIP 1.8UH +-10% 50MA | LY24 | BA00892R | COIL CHIP 47UH +-20% 150MA |
| L304 | BA01133R | INDUCTOR CHIP 4.7MH | LY25 | BA00864R | COIL CHIP 10UH |
| L306 | BA01138R | INDUCTOR CHIP 12UH +-10% 15MA | LY26 | BA00892R | COIL CHIP 47UH +-20% 150MA |
| L307 | BA01133R | INDUCTOR CHIP 4.7MH | N01 | QR69321 | USER'S MANUAL |
| L309 | BA00889R | COIL CHIP 22UH | N902 | 2721351 | FUSE HOLDER |
| L310 | BA00892R | COIL CHIP 47UH +-20% 150MA | NVS01 | GX00667 | FERRITE CORE |
| L3L1 | BA00892R | COIL CHIP 47UH +-20% 150MA | NVS03 | GX00667 | FERRITE CORE |
| L3L2 | BA00892R | COIL CHIP 47UH +-20% 150MA | NVS04 | GX00667 | FERRITE CORE |
| L401 | BA02272R | INDUCTOR CHIP 15UH +-20% 2.8A | NVS05 | GX00666 | FERRITE CORE |
| L402 | BA02272R | INDUCTOR CHIP 15UH +-20% 2.8A | NVS08 | GX00666 | FERRITE CORE |
| L403 | BA02272R | INDUCTOR CHIP 15UH +-20% 2.8A | NVS09 | GX00666 | FERRITE CORE |
| L404 | BA02272R | INDUCTOR CHIP 15UH +-20% 2.8A | NVS10 | GX00666 | FERRITE CORE |
| L406 | BA00894R | COIL CHIP 100MH 100MA | NVS11 | 2169511 | FERRITE CORE |
| L410 | BZ01421R | COIL FERRITE BEAD BL02RN1-R62T4 | NVS12 | 2169511 | FERRITE CORE |
| L411 | BZ01421R | COIL FERRITE BEAD BL02RN1-R62T4 | NVS13 | GX00667 | FERRITE CORE |
| L500 | BA00892R | COIL CHIP 47UH +-20% 150MA | P902 | EF22394 | CONNECTOR 1P L=80MM |
| L501 | BM00289R | FERRITE BEADS CHIP | PCM1 | 2675283 | CONNECTOR 4P |
| L502 | BM00289R | FERRITE BEADS CHIP | PTU | 2979174 | MINI PIN PLUG 1P |
| L503 | BM00289R | FERRITE BEADS CHIP | Q001 | CA02403R | TRANSISTOR CHIP 2SA1980EFG |
| L560 | BA00892R | COIL CHIP 47UH +-20% 150MA | Q002 | CA14091R | TRANSISTOR CHIP 2SC5343E L |
| L601 | BA00892R | COIL CHIP 47UH +-20% 150MA | Q003 | CA02403R | TRANSISTOR CHIP 2SA1980EFG |
| L602 | BA00892R | COIL CHIP 47UH +-20% 150MA | Q004 | CA14091R | TRANSISTOR CHIP 2SC5343E L |
| L901 | BZ06251 | LINE FILTER 1.5MH | Q005 | CA02403R | TRANSISTOR CHIP 2SA1980EFG |
| LA01 | BZ01421R | COIL FERRITE BEAD BL02RN1-R62T4 | Q006 | CA02403R | TRANSISTOR CHIP 2SA1980EFG |
| LC01 | BA00707R | CHIP COIL 10UH | Q007 | CA02092R | TRANSISTOR CHIP SRC1202EF |
| LEE0 | BA00892R | COIL CHIP 47UH +-20% 150MA | Q008 | CA02092R | TRANSISTOR CHIP SRC1202EF |
| LEM0 | BA00892R | COIL CHIP 47UH +-20% 150MA | Q009 | CA02092R | TRANSISTOR CHIP SRC1202EF |
| LEU0 | BA00892R | COIL CHIP 47UH +-20% 150MA | Q010 | CA02092R | TRANSISTOR CHIP SRC1202EF |
| LEX0 | BA00892R | COIL CHIP 47UH +-20% 150MA | Q011 | CA14091R | TRANSISTOR CHIP 2SC5343E L |
| LEY0 | BA02251R | INDUCTOR CHIP 4.7UH +-30% 1.7A | Q012 | CA02403R | TRANSISTOR CHIP 2SA1980EFG |
| LEZ0 | BA02251R | INDUCTOR CHIP 4.7UH +-30% 1.7A | Q013 | CA14091R | TRANSISTOR CHIP 2SC5343E L |
| LH02 | BM00289R | FERRITE BEADS CHIP | Q014 | CA02092R | TRANSISTOR CHIP SRC1202EF |
| LH03 | BM00289R | FERRITE BEADS CHIP | Q019 | CA14091R | TRANSISTOR CHIP 2SC5343E L |
| LH04 | BM00289R | FERRITE BEADS CHIP | Q020 | CA02092R | TRANSISTOR CHIP SRC1202EF |
| LH05 | BM00289R | FERRITE BEADS CHIP | Q021 | CA14091R | TRANSISTOR CHIP 2SC5343E L |
| LH06 | BM00289R | FERRITE BEADS CHIP | Q022 | CA02092R | TRANSISTOR CHIP SRC1202EF |
| LH12 | BA00894R | COIL CHIP 100MH 100MA | Q300 | CA14091R | TRANSISTOR CHIP 2SC5343E L |
| LH13 | BM00289R | FERRITE BEADS CHIP | Q301 | CA14091R | TRANSISTOR CHIP 2SC5343E L |
| LH14 | BM00289R | FERRITE BEADS CHIP | Q302 | CA14091R | TRANSISTOR CHIP 2SC5343E L |
| LH15 | BM10348R | INDUCTOR SOLID CHP | Q303 | CA14091R | TRANSISTOR CHIP 2SC5343E L |
| LLP1 | BA10986R | COIL CHIP 47MH | Q304 | CA14091R | TRANSISTOR CHIP 2SC5343E L |
| LT01 | BA00714R | COIL CHIP 100UH | Q305 | CA14091R | TRANSISTOR CHIP 2SC5343E L |
| LT02 | BA00714R | COIL CHIP 100UH | Q306 | CA14091R | TRANSISTOR CHIP 2SC5343E L |
| LT03 | BA02254R | INDUCTOR CHIP 47MH | Q307 | CA02403R | TRANSISTOR CHIP 2SA1980EFG |
| LT04 | BA00714R | COIL CHIP 100UH | Q308 | CA14091R | TRANSISTOR CHIP 2SC5343E L |
| LT05 | BA00714R | COIL CHIP 100UH | Q309 | CA02403R | TRANSISTOR CHIP 2SA1980EFG |
| LT08 | BA02254R | INDUCTOR CHIP 47MH | Q310 | CA14091R | TRANSISTOR CHIP 2SC5343E L |
| LVDS | EW08554 | LVDS CABLE L=300MM | Q311 | CA02403R | TRANSISTOR CHIP 2SA1980EFG |
| LY12 | BA00892R | COIL CHIP 47UH +-20% 150MA | Q312 | CA14091R | TRANSISTOR CHIP 2SC5343E L |
| LY13 | BA00892R | COIL CHIP 47UH +-20% 150MA | Q313 | CA02403R | TRANSISTOR CHIP 2SA1980EFG |
| LY14 | BA00864R | COIL CHIP 10UH | Q314 | CA14091R | TRANSISTOR CHIP 2SC5343E L |
| LY17 | BA00864R | COIL CHIP 10UH | Q315 | CA02403R | TRANSISTOR CHIP 2SA1980EFG |
| LY18 | BA00892R | COIL CHIP 47UH +-20% 150MA | Q316 | CA14091R | TRANSISTOR CHIP 2SC5343E L |
| LY21 | BA00889R | COIL CHIP 22UH | Q317 | CA02403R | TRANSISTOR CHIP 2SA1980EFG |
| LY22 | BA00892R | COIL CHIP 47UH +-20% 150MA | Q3M0 | CA01011R | TRANSISTOR CHIP 2SK3018 T106 |

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| SYMBOL NO. | PART NO. | DESCRIPTION | SYMBOL NO. | PART NO. | DESCRIPTION |
|---------------|----------|-------------------------------|---------------|----------|----------------------------------|
| Q3S0 | CA02092R | TRANSISTOR CHIP SRC1202EF | QY01 | CA02142R | TRANSISTOR CHIP 2SC5343UFG PF |
| Q401 | CA02091R | TRANSISTOR SRC1204EF PF | QY02 | CA02142R | TRANSISTOR CHIP 2SC5343UFG PF |
| Q402 | CA02091R | TRANSISTOR SRC1204EF PF | QY03 | CA02142R | TRANSISTOR CHIP 2SC5343UFG PF |
| Q403 | CA01181R | TRANSISTOR, CHIP IMD10AT108 | QY04 | CA02142R | TRANSISTOR CHIP 2SC5343UFG PF |
| Q404 | CA00461R | TRANSISTOR CHIP 2SD2114K | QY05 | CA14091R | TRANSISTOR CHIP 2SC5343E L |
| Q405 | CA00461R | TRANSISTOR CHIP 2SD2114K | QY06 | CA02132R | TRANSISTOR CHIP 2SA1980UFG PF |
| Q406 | CA02142R | TRANSISTOR CHIP 2SC5343UFG PF | QY07 | CA02132R | TRANSISTOR CHIP 2SA1980UFG PF |
| Q407 | CA02142R | TRANSISTOR CHIP 2SC5343UFG PF | QY08 | CA02132R | TRANSISTOR CHIP 2SA1980UFG PF |
| Q408 | CA00461R | TRANSISTOR CHIP 2SD2114K | QY09 | CA02132R | TRANSISTOR CHIP 2SA1980UFG PF |
| Q409 | CA00461R | TRANSISTOR CHIP 2SD2114K | QY10 | CA02132R | TRANSISTOR CHIP 2SA1980UFG PF |
| Q410 | CA01181R | TRANSISTOR, CHIP IMD10AT108 | QY11 | CA02132R | TRANSISTOR CHIP 2SA1980UFG PF |
| Q415 | CA02091R | TRANSISTOR SRC1204EF PF | QY12 | CA02132R | TRANSISTOR CHIP 2SA1980UFG PF |
| Q500 | CA02403R | TRANSISTOR CHIP 2SA1980EFG | QY13 | CA02132R | TRANSISTOR CHIP 2SA1980UFG PF |
| Q501 | CA02403R | TRANSISTOR CHIP 2SA1980EFG | QY14 | 2320663 | TRANSISTOR 2SC1213AC |
| Q502 | CA02403R | TRANSISTOR CHIP 2SA1980EFG | QY15 | CA01011R | TRANSISTOR CHIP 2SK3018 T106 |
| Q503 | CA02403R | TRANSISTOR CHIP 2SA1980EFG | QY16 | CA01011R | TRANSISTOR CHIP 2SK3018 T106 |
| Q504 | CA14091R | TRANSISTOR CHIP 2SC5343E L | QY17 | CA02132R | TRANSISTOR CHIP 2SA1980UFG PF |
| Q505 | CA14091R | TRANSISTOR CHIP 2SC5343E L | QY18 | CA02142R | TRANSISTOR CHIP 2SC5343UFG PF |
| Q506 | CA14091R | TRANSISTOR CHIP 2SC5343E L | QY19 | CA02132R | TRANSISTOR CHIP 2SA1980UFG PF |
| Q507 | CA14091R | TRANSISTOR CHIP 2SC5343E L | QY20 | CA01181R | TRANSISTOR, CHIP IMD10AT108 |
| Q508 | CA01011R | TRANSISTOR CHIP 2SK3018 T106 | QY21 | CA00461R | TRANSISTOR CHIP 2SD2114K |
| Q509 | CA01011R | TRANSISTOR CHIP 2SK3018 T106 | QY22 | CA00461R | TRANSISTOR CHIP 2SD2114K |
| Q701 | CA01011R | TRANSISTOR CHIP 2SK3018 T106 | QY23 | CA01181R | TRANSISTOR, CHIP IMD10AT108 |
| Q702 | CA01011R | TRANSISTOR CHIP 2SK3018 T106 | QY24 | CA00461R | TRANSISTOR CHIP 2SD2114K |
| QA02 | CA00983R | TRANSISTOR CHIP DTC144EE TL | R001 | 0790207R | RESISTOR CHIP 1K OHM +5% 1/16W |
| QA03 | CA02142R | TRANSISTOR CHIP 2SC5343UFG PF | R002 | 0790207R | RESISTOR CHIP 1K OHM +5% 1/16W |
| QA04 | CA02132R | TRANSISTOR CHIP 2SA1980UFG PF | R003 | 0790207R | RESISTOR CHIP 1K OHM +5% 1/16W |
| QF01 | CA02142R | TRANSISTOR CHIP 2SC5343UFG PF | R005 | 0790207R | RESISTOR CHIP 1K OHM +5% 1/16W |
| QH02 | CA02092R | TRANSISTOR CHIP SRC1202EF | R006 | 0790207R | RESISTOR CHIP 1K OHM +5% 1/16W |
| QH03 | CA01011R | TRANSISTOR CHIP 2SK3018 T106 | R007 | 0790207R | RESISTOR CHIP 1K OHM +5% 1/16W |
| QH04 | CA02142R | TRANSISTOR CHIP 2SC5343UFG PF | R008 | 0790207R | RESISTOR CHIP 1K OHM +5% 1/16W |
| QH07 | CA02092R | TRANSISTOR CHIP SRC1202EF | R009 | 0790212R | RESISTOR CHIP 2.2K OHM +5% 1/16W |
| QH08 | CA01011R | TRANSISTOR CHIP 2SK3018 T106 | R010 | 0790212R | RESISTOR CHIP 2.2K OHM +5% 1/16W |
| QH09 | CA02142R | TRANSISTOR CHIP 2SC5343UFG PF | R011 | 0790194R | RESISTOR CHIP 100 OHM +5% 1/16W |
| QH10 | CA02092R | TRANSISTOR CHIP SRC1202EF | R013 | 0790207R | RESISTOR CHIP 1K OHM +5% 1/16W |
| QH12 | CA02142R | TRANSISTOR CHIP 2SC5343UFG PF | R014 | 0790194R | RESISTOR CHIP 100 OHM +5% 1/16W |
| QH15 | CA01181R | TRANSISTOR, CHIP IMD10AT108 | R015 | 0790198R | RESISTOR CHIP 220 OHM +5% 1/16W |
| QH16 | CA00461R | TRANSISTOR CHIP 2SD2114K | R016 | 0790207R | RESISTOR CHIP 1K OHM +5% 1/16W |
| QH17 | CA00461R | TRANSISTOR CHIP 2SD2114K | R017 | 0790207R | RESISTOR CHIP 1K OHM +5% 1/16W |
| QM01 | CA14091R | TRANSISTOR CHIP 2SC5343E L | R018 | 0790207R | RESISTOR CHIP 1K OHM +5% 1/16W |
| QM02 | CA14091R | TRANSISTOR CHIP 2SC5343E L | R019 | 0790207R | RESISTOR CHIP 1K OHM +5% 1/16W |
| QM03 | CA14091R | TRANSISTOR CHIP 2SC5343E L | R020 | 0790194R | RESISTOR CHIP 100 OHM +5% 1/16W |
| QM11 | CA02092R | TRANSISTOR CHIP SRC1202EF | R021 | 0790207R | RESISTOR CHIP 1K OHM +5% 1/16W |
| QM12 | CA02092R | TRANSISTOR CHIP SRC1202EF | R022 | 0790194R | RESISTOR CHIP 100 OHM +5% 1/16W |
| QMP1 | CA14091R | TRANSISTOR CHIP 2SC5343E L | R023 | 0790221R | RESISTOR CHIP 10K OHM +5% 1/16W |
| QN01 | 2326873R | TR DTC144EF | R024 | 0790207R | RESISTOR CHIP 1K OHM +5% 1/16W |
| QT01 | CA02142R | TRANSISTOR CHIP 2SC5343UFG PF | R025 | 0790207R | RESISTOR CHIP 1K OHM +5% 1/16W |
| QT02 | CA02142R | TRANSISTOR CHIP 2SC5343UFG PF | R026 | 0790207R | RESISTOR CHIP 1K OHM +5% 1/16W |
| QT03 | CA02142R | TRANSISTOR CHIP 2SC5343UFG PF | R027 | 0790212R | RESISTOR CHIP 2.2K OHM +5% 1/16W |
| QT04 | CA02142R | TRANSISTOR CHIP 2SC5343UFG PF | R028 | 0790194R | RESISTOR CHIP 100 OHM +5% 1/16W |
| QT05 | CA02132R | TRANSISTOR CHIP 2SA1980UFG PF | R029 | 0790194R | RESISTOR CHIP 100 OHM +5% 1/16W |
| QT06 | CA02142R | TRANSISTOR CHIP 2SC5343UFG PF | R030 | 0790194R | RESISTOR CHIP 100 OHM +5% 1/16W |
| QT11 | CA02142R | TRANSISTOR CHIP 2SC5343UFG PF | R031 | 0790194R | RESISTOR CHIP 100 OHM +5% 1/16W |
| QT12 | CA02142R | TRANSISTOR CHIP 2SC5343UFG PF | R032 | 0790207R | RESISTOR CHIP 1K OHM +5% 1/16W |
| QT13 | CA00981R | TRANSISTOR CHIP DTC114EE TL | R033 | 0790207R | RESISTOR CHIP 1K OHM +5% 1/16W |
| QT15 | CA02142R | TRANSISTOR CHIP 2SC5343UFG PF | R034 | 0790194R | RESISTOR CHIP 100 OHM +5% 1/16W |

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|---------------|----------|-----------------------------------|---------------|----------|-----------------------------------|
| R035 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | R094 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W |
| R036 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | R098 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W |
| R037 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | R099 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W |
| R038 | 0790212R | RESISTOR CHIP 2.2K OHM +-5% 1/16W | R106 | 0790208R | RESISTOR CHIP 1.2K OHM +-5% 1/16W |
| R039 | 0790202R | RESISTOR CHIP 390 OHM +-5% 1/16W | R107 | 0790208R | RESISTOR CHIP 1.2K OHM +-5% 1/16W |
| R040 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | R108 | 0790225R | RESISTOR CHIP 22K OHM +-5% 1/16W |
| R041 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | R109 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W |
| R042 | 0790212R | RESISTOR CHIP 2.2K OHM +-5% 1/16W | R110 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R043 | 0790212R | RESISTOR CHIP 2.2K OHM +-5% 1/16W | R111 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W |
| R044 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | R112 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R045 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | R113 | 0790234R | RESISTOR CHIP 100K OHM +-5% 1/16W |
| R046 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | R116 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R047 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | R117 | 0790218R | RESISTOR CHIP 6.8K OHM +-5% 1/16W |
| R048 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | R118 | 0790218R | RESISTOR CHIP 6.8K OHM +-5% 1/16W |
| R049 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | R120 | 0790215R | RESISTOR CHIP 3.9K OHM +-5% 1/16W |
| R050 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | R121 | 0790215R | RESISTOR CHIP 3.9K OHM +-5% 1/16W |
| R051 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | R122 | 0790235R | RESISTOR CHIP 120K OHM +-5% 1/16W |
| R052 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | R123 | 0790235R | RESISTOR CHIP 120K OHM +-5% 1/16W |
| R053 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | R124 | 0790235R | RESISTOR CHIP 120K OHM +-5% 1/16W |
| R054 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | R125 | 0790235R | RESISTOR CHIP 120K OHM +-5% 1/16W |
| R055 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | R126 | 0790215R | RESISTOR CHIP 3.9K OHM +-5% 1/16W |
| R057 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | R127 | 0790234R | RESISTOR CHIP 100K OHM +-5% 1/16W |
| R059 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | R128 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R060 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | R129 | 0790215R | RESISTOR CHIP 3.9K OHM +-5% 1/16W |
| R061 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | R130 | 0790215R | RESISTOR CHIP 3.9K OHM +-5% 1/16W |
| R062 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | R131 | 0790215R | RESISTOR CHIP 3.9K OHM +-5% 1/16W |
| R063 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | R133 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R064 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | R134 | 0790229R | RESISTOR CHIP 47K OHM +-5% 1/16W |
| R065 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | R135 | 0790223R | RESISTOR CHIP 15K OHM +-5% 1/16W |
| R066 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | R138 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R067 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | R139 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R068 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | R140 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R069 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | R141 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R070 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | R143 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R071 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | R144 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R072 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | R145 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R073 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | R146 | 0790217R | RESISTOR CHIP 5.6K OHM +-5% 1/16W |
| R074 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | R147 | 0790217R | RESISTOR CHIP 5.6K OHM +-5% 1/16W |
| R075 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | R148 | 0790234R | RESISTOR CHIP 100K OHM +-5% 1/16W |
| R076 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | R149 | 0790234R | RESISTOR CHIP 100K OHM +-5% 1/16W |
| R077 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | R150 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| R078 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | R151 | 0790235R | RESISTOR CHIP 120K OHM +-5% 1/16W |
| R079 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | R153 | 0790235R | RESISTOR CHIP 120K OHM +-5% 1/16W |
| R080 | 0790215R | RESISTOR CHIP 3.9K OHM +-5% 1/16W | R154 | 0790235R | RESISTOR CHIP 120K OHM +-5% 1/16W |
| R081 | 0790215R | RESISTOR CHIP 3.9K OHM +-5% 1/16W | R155 | 0790234R | RESISTOR CHIP 100K OHM +-5% 1/16W |
| R082 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | R156 | 0790234R | RESISTOR CHIP 100K OHM +-5% 1/16W |
| R083 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | R157 | 0790235R | RESISTOR CHIP 120K OHM +-5% 1/16W |
| R084 | 0790212R | RESISTOR CHIP 2.2K OHM +-5% 1/16W | R158 | 0790235R | RESISTOR CHIP 120K OHM +-5% 1/16W |
| R085 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | R159 | 0790215R | RESISTOR CHIP 3.9K OHM +-5% 1/16W |
| R086 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | R160 | 0790215R | RESISTOR CHIP 3.9K OHM +-5% 1/16W |
| R087 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | R161 | 0790227R | RESISTOR CHIP 33K OHM +-5% 1/16W |
| R088 | 0790212R | RESISTOR CHIP 2.2K OHM +-5% 1/16W | R162 | 0790215R | RESISTOR CHIP 3.9K OHM +-5% 1/16W |
| R090 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | R163 | 0790234R | RESISTOR CHIP 100K OHM +-5% 1/16W |
| R091 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | R164 | 0790215R | RESISTOR CHIP 3.9K OHM +-5% 1/16W |
| R092 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | R167 | 0790234R | RESISTOR CHIP 100K OHM +-5% 1/16W |
| R093 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | R168 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |

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| SYMBOL NO. | PART NO. | DESCRIPTION | SYMBOL NO. | PART NO. | DESCRIPTION |
|---------------|----------|-----------------------------------|---------------|----------|-----------------------------------|
| R169 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | R302 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| R170 | 0790217R | RESISTOR CHIP 5.6K OHM +-5% 1/16W | R303 | AQ00764R | RESISTOR CHIP 220 OHM +-1% 1/16W |
| R171 | 0790217R | RESISTOR CHIP 5.6K OHM +-5% 1/16W | R304 | 0790237R | RESISTOR CHIP 180K OHM +-5% 1/16W |
| R173 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | R305 | 0790238R | RESISTOR CHIP 220K OHM +-5% 1/16W |
| R174 | 0790217R | RESISTOR CHIP 5.6K OHM +-5% 1/16W | R306 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| R175 | 0790217R | RESISTOR CHIP 5.6K OHM +-5% 1/16W | R307 | AQ00764R | RESISTOR CHIP 220 OHM +-1% 1/16W |
| R176 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | R308 | 0790237R | RESISTOR CHIP 180K OHM +-5% 1/16W |
| R177 | 0790247R | RESISTOR CHIP 1M OHM +-5% 1/16W | R309 | 0790238R | RESISTOR CHIP 220K OHM +-5% 1/16W |
| R178 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | R310 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| R179 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | R311 | AQ00764R | RESISTOR CHIP 220 OHM +-1% 1/16W |
| R180 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | R312 | 0790231R | RESISTOR CHIP 56K OHM +-5% 1/16W |
| R181 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | R313 | 0790234R | RESISTOR CHIP 100K OHM +-5% 1/16W |
| R183 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | R314 | 0790204R | RESISTOR CHIP 560 OHM +-5% 1/16W |
| R184 | 0790235R | RESISTOR CHIP 120K OHM +-5% 1/16W | R315 | 0790231R | RESISTOR CHIP 56K OHM +-5% 1/16W |
| R185 | 0790235R | RESISTOR CHIP 120K OHM +-5% 1/16W | R316 | 0790234R | RESISTOR CHIP 100K OHM +-5% 1/16W |
| R186 | 0790235R | RESISTOR CHIP 120K OHM +-5% 1/16W | R317 | 0790204R | RESISTOR CHIP 560 OHM +-5% 1/16W |
| R187 | 0790235R | RESISTOR CHIP 120K OHM +-5% 1/16W | R318 | 0790231R | RESISTOR CHIP 56K OHM +-5% 1/16W |
| R193 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | R319 | 0790234R | RESISTOR CHIP 100K OHM +-5% 1/16W |
| R194 | 0790236R | RESISTOR CHIP 150K OHM +-5% 1/16W | R320 | 0790204R | RESISTOR CHIP 560 OHM +-5% 1/16W |
| R195 | 0790216R | RESISTOR CHIP 4.7K OHM +-5% 1/16W | R321 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| R196 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | R324 | 0790185R | RESISTOR CHIP 22 OHM +-5% 1/16W |
| R197 | 0790229R | RESISTOR CHIP 47K OHM +-5% 1/16W | R325 | 0790211R | RESISTOR CHIP 1.8K OHM +-5% 1/16W |
| R198 | 0790217R | RESISTOR CHIP 5.6K OHM +-5% 1/16W | R326 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| R199 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | R327 | AQ00775R | RESISTOR CHIP 560 OHM +-1% 1/16W |
| R200 | 0790236R | RESISTOR CHIP 150K OHM +-5% 1/16W | R329 | AQ00762R | RESISTOR CHIP 180 OHM +-1% 1/16W |
| R201 | 0790216R | RESISTOR CHIP 4.7K OHM +-5% 1/16W | R330 | AQ00778R | RESISTOR CHIP 750 OHM +-1% 1/16W |
| R202 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | R331 | 0790209R | RESISTOR CHIP 1.5K OHM +-5% 1/16W |
| R203 | 0790229R | RESISTOR CHIP 47K OHM +-5% 1/16W | R332 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| R204 | 0790217R | RESISTOR CHIP 5.6K OHM +-5% 1/16W | R335 | 0790185R | RESISTOR CHIP 22 OHM +-5% 1/16W |
| R205 | 0790198R | RESISTOR CHIP 220 OHM +-5% 1/16W | R336 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| R206 | 0790198R | RESISTOR CHIP 220 OHM +-5% 1/16W | R337 | 0790217R | RESISTOR CHIP 5.6K OHM +-5% 1/16W |
| R207 | 0790229R | RESISTOR CHIP 47K OHM +-5% 1/16W | R338 | AQ00772R | RESISTOR CHIP 430 OHM +-1% 1/16W |
| R208 | 0790229R | RESISTOR CHIP 47K OHM +-5% 1/16W | R340 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| R210 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | R341 | AQ00744R | RESISTOR CHIP 39 OHM +-1% 1/32W |
| R212 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | R342 | AQ00774R | RESISTOR CHIP 510 OHM +-1% 1/16W |
| R214 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | R343 | 0790209R | RESISTOR CHIP 1.5K OHM +-5% 1/16W |
| R216 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | R344 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| R217 | 0790228R | RESISTOR CHIP 39K OHM +-5% 1/16W | R347 | 0790185R | RESISTOR CHIP 22 OHM +-5% 1/16W |
| R218 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | R348 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| R219 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | R349 | 0790217R | RESISTOR CHIP 5.6K OHM +-5% 1/16W |
| R220 | 0790239R | RESISTOR CHIP 270K OHM +-5% 1/16W | R350 | AQ00772R | RESISTOR CHIP 430 OHM +-1% 1/16W |
| R221 | 0790225R | RESISTOR CHIP 22K OHM +-5% 1/16W | R352 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| R222 | 0790233R | RESISTOR CHIP 82K OHM +-5% 1/16W | R353 | AQ00744R | RESISTOR CHIP 39 OHM +-1% 1/32W |
| R223 | 0790232R | RESISTOR CHIP 68K OHM +-5% 1/16W | R354 | AQ00774R | RESISTOR CHIP 510 OHM +-1% 1/16W |
| R225 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | R355 | 0790209R | RESISTOR CHIP 1.5K OHM +-5% 1/16W |
| R245 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | R356 | 0790185R | RESISTOR CHIP 22 OHM +-5% 1/16W |
| R246 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | R357 | 0790211R | RESISTOR CHIP 1.8K OHM +-5% 1/16W |
| R247 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | R358 | AQ00775R | RESISTOR CHIP 560 OHM +-1% 1/16W |
| R248 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | R360 | AQ00762R | RESISTOR CHIP 180 OHM +-1% 1/16W |
| R249 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | R361 | AQ00778R | RESISTOR CHIP 750 OHM +-1% 1/16W |
| R250 | 0790229R | RESISTOR CHIP 47K OHM +-5% 1/16W | R362 | 0790209R | RESISTOR CHIP 1.5K OHM +-5% 1/16W |
| R251 | 0790243R | RESISTOR CHIP 470K OHM +-5% 1/16W | R363 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| R252 | 0790229R | RESISTOR CHIP 47K OHM +-5% 1/16W | R366 | 0790185R | RESISTOR CHIP 22 OHM +-5% 1/16W |
| R253 | 0790243R | RESISTOR CHIP 470K OHM +-5% 1/16W | R367 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| R300 | 0790237R | RESISTOR CHIP 180K OHM +-5% 1/16W | R368 | 0790217R | RESISTOR CHIP 5.6K OHM +-5% 1/16W |
| R301 | 0790238R | RESISTOR CHIP 220K OHM +-5% 1/16W | R369 | AQ00772R | RESISTOR CHIP 430 OHM +-1% 1/16W |

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| SYMBOL NO. | PART NO. | DESCRIPTION | SYMBOL NO. | PART NO. | DESCRIPTION |
|---------------|----------|-------------------------------------|---------------|----------|-----------------------------------|
| R371 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | R3M8 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| R372 | AQ00744R | RESISTOR CHIP 39 OHM +-1% 1/32W | R3M9 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R373 | AQ00774R | RESISTOR CHIP 510 OHM +-1% 1/16W | R3N0 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R374 | 0790209R | RESISTOR CHIP 1.5K OHM +-5% 1/16W | R3N1 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| R375 | 0790184R | RESISTOR CHIP 18 OHM +-5% 1/16W | R3N2 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| R376 | 0790184R | RESISTOR CHIP 18 OHM +-5% 1/16W | R3N3 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| R377 | 0790184R | RESISTOR CHIP 18 OHM +-5% 1/16W | R3N4 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| R378 | 0790184R | RESISTOR CHIP 18 OHM +-5% 1/16W | R3N5 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| R379 | 0790184R | RESISTOR CHIP 18 OHM +-5% 1/16W | R3N9 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| R380 | 0790184R | RESISTOR CHIP 18 OHM +-5% 1/16W | R3P4 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| R381 | 0790184R | RESISTOR CHIP 18 OHM +-5% 1/16W | R3P5 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| R382 | 0790184R | RESISTOR CHIP 18 OHM +-5% 1/16W | R3R0 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R383 | 0790184R | RESISTOR CHIP 18 OHM +-5% 1/16W | R3R1 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R384 | 0790184R | RESISTOR CHIP 18 OHM +-5% 1/16W | R3R2 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R385 | 0790184R | RESISTOR CHIP 18 OHM +-5% 1/16W | R3R7 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| R386 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | R3R8 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| R387 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | R3R9 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| R389 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | R3S1 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R390 | 0790184R | RESISTOR CHIP 18 OHM +-5% 1/16W | R3S2 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R391 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | R3S3 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R392 | 0790184R | RESISTOR CHIP 18 OHM +-5% 1/16W | R3S4 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R393 | 0790184R | RESISTOR CHIP 18 OHM +-5% 1/16W | R3S5 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R395 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | R3S6 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R396 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | R3S7 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R397 | 0790184R | RESISTOR CHIP 18 OHM +-5% 1/16W | R3S8 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R3A0 | AQ00766R | RESISTOR CHIP 270 OHM +-1% 1/16W | R3S9 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R3A1 | AQ00766R | RESISTOR CHIP 270 OHM +-1% 1/16W | R3T2 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R3A2 | AQ00766R | RESISTOR CHIP 270 OHM +-1% 1/16W | R3T3 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R3A3 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | R3T6 | 0790181R | RESISTOR CHIP 10 OHM +-5% 1/16W |
| R3A4 | AQ00762R | RESISTOR CHIP 180 OHM +-1% 1/16W | R3T7 | 0790213R | RESISTOR CHIP 2.7K OHM +-5% 1/16W |
| R3A5 | AQ00776R | RESISTOR CHIP 620 OHM +-1% 1/16W | R3T8 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R3A6 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | R3U1 | 0790213R | RESISTOR CHIP 2.7K OHM +-5% 1/16W |
| R3A7 | 0790206R | RESISTOR CHIP 820 OHM +-5% 1/16W | R3U2 | 0790213R | RESISTOR CHIP 2.7K OHM +-5% 1/16W |
| R3A8 | 0790184R | RESISTOR CHIP 18 OHM +-5% 1/16W | R3U3 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| R3C2 | AQ00051R | RESISTOR CHIP 10K OHM +-5% 1/16W X4 | R3X0 | 0790204R | RESISTOR CHIP 560 OHM +-5% 1/16W |
| R3C3 | AQ00051R | RESISTOR CHIP 10K OHM +-5% 1/16W X4 | R416 | 0790189R | RESISTOR CHIP 47 OHM +-5% 1/16W |
| R3C4 | AQ00051R | RESISTOR CHIP 10K OHM +-5% 1/16W X4 | R417 | 0790189R | RESISTOR CHIP 47 OHM +-5% 1/16W |
| R3C5 | AQ00051R | RESISTOR CHIP 10K OHM +-5% 1/16W X4 | R421 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R3C8 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | R422 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R3E0 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | R423 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R3E1 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | R424 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R3E2 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | R429 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R3E3 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | R430 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R3E9 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | R431 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| R3F0 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | R432 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| R3G5 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | R433 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| R3L4 | 0790001R | RESISTOR CHIP 0 OHM +-5% 1/16W | R434 | 0790223R | RESISTOR CHIP 15K OHM +-5% 1/16W |
| R3L5 | 0790001R | RESISTOR CHIP 0 OHM +-5% 1/16W | R435 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W |
| R3M0 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | R436 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W |
| R3M1 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | R437 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| R3M2 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | R443 | 0790225R | RESISTOR CHIP 22K OHM +-5% 1/16W |
| R3M3 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | R446 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R3M4 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | R448 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R3M5 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | R450 | AQ00817R | RESISTOR CHIP 22K OHM +-1% 1/32W |
| R3M6 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | R451 | AQ00822R | RESISTOR CHIP 33K OHM +-1% 1/32W |
| R3M7 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | R452 | AQ00822R | RESISTOR CHIP 33K OHM +-1% 1/32W |


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| SYMBOL NO. | PART NO. | DESCRIPTION | SYMBOL NO. | PART NO. | DESCRIPTION |
|---------------|----------|-----------------------------------|---------------|----------|------------------------------------|
| R453 | AQ00815R | RESISTOR CHIP 18K OHM +-1% 1/32W | R4F4 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R454 | AQ00813R | RESISTOR CHIP 15K OHM +-1% 1/32W | R4F5 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| R455 | AQ00817R | RESISTOR CHIP 22K OHM +-1% 1/32W | R4F6 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| R456 | AQ00822R | RESISTOR CHIP 33K OHM +-1% 1/32W | R4F7 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| R457 | AQ00822R | RESISTOR CHIP 33K OHM +-1% 1/32W | R4F8 | 0790198R | RESISTOR CHIP 220 OHM +-5% 1/16W |
| R458 | AQ00815R | RESISTOR CHIP 18K OHM +-1% 1/32W | R4F9 | 0790198R | RESISTOR CHIP 220 OHM +-5% 1/16W |
| R459 | AQ00813R | RESISTOR CHIP 15K OHM +-1% 1/32W | R4G1 | 0790198R | RESISTOR CHIP 220 OHM +-5% 1/16W |
| R460 | 0790209R | RESISTOR CHIP 1.5K OHM +-5% 1/16W | R4G2 | 0790198R | RESISTOR CHIP 220 OHM +-5% 1/16W |
| R461 | 0790209R | RESISTOR CHIP 1.5K OHM +-5% 1/16W | R500 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| R462 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | R501 | AQ00766R | RESISTOR CHIP 270 OHM +-1% 1/16W |
| R463 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | R502 | AQ00773R | RESISTOR CHIP 470 OHM +-1% 1/16W |
| R464 | 0790224R | RESISTOR CHIP 18K OHM +-5% 1/16W | R503 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| R465 | 0790225R | RESISTOR CHIP 22K OHM +-5% 1/16W | R504 | AQ00766R | RESISTOR CHIP 270 OHM +-1% 1/16W |
| R466 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | R505 | AQ00773R | RESISTOR CHIP 470 OHM +-1% 1/16W |
| R467 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | R506 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| R470 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | R507 | AQ00766R | RESISTOR CHIP 270 OHM +-1% 1/16W |
| R471 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | R508 | AQ00773R | RESISTOR CHIP 470 OHM +-1% 1/16W |
| R473 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | R509 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| R476 | 0790234R | RESISTOR CHIP 100K OHM +-5% 1/16W | R510 | AQ00766R | RESISTOR CHIP 270 OHM +-1% 1/16W |
| R477 | 0790234R | RESISTOR CHIP 100K OHM +-5% 1/16W | R511 | AQ00773R | RESISTOR CHIP 470 OHM +-1% 1/16W |
| R478 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | R513 | 0790234R | RESISTOR CHIP 100K OHM +-5% 1/16W |
| R479 | 0790234R | RESISTOR CHIP 100K OHM +-5% 1/16W | R514 | 0790231R | RESISTOR CHIP 56K OHM +-5% 1/16W |
| R480 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | R516 | 0790234R | RESISTOR CHIP 100K OHM +-5% 1/16W |
| R481 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | R517 | 0790231R | RESISTOR CHIP 56K OHM +-5% 1/16W |
| R483 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | R519 | 0790234R | RESISTOR CHIP 100K OHM +-5% 1/16W |
| R484 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | R520 | 0790231R | RESISTOR CHIP 100K OHM +-5% 1/16W |
| R487 | 0790234R | RESISTOR CHIP 100K OHM +-5% 1/16W | R522 | 0790234R | RESISTOR CHIP 100K OHM +-5% 1/16W |
| R489 | 0790234R | RESISTOR CHIP 100K OHM +-5% 1/16W | R523 | 0790231R | RESISTOR CHIP 56K OHM +-5% 1/16W |
| R491 | 0790225R | RESISTOR CHIP 22K OHM +-5% 1/16W | R524 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| R492 | 0790223R | RESISTOR CHIP 15K OHM +-5% 1/16W | R525 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W |
| R493 | 0790243R | RESISTOR CHIP 470K OHM +-5% 1/16W | R526 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| R494 | 0790223R | RESISTOR CHIP 15K OHM +-5% 1/16W | R527 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| R495 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | R528 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W |
| R496 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | R529 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| R498 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | R530 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| R499 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | R531 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W |
| R4A0 | 0790189R | RESISTOR CHIP 47 OHM +-5% 1/16W | R532 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| R4A1 | 0790189R | RESISTOR CHIP 47 OHM +-5% 1/16W | R533 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| R4A2 | 0790189R | RESISTOR CHIP 47 OHM +-5% 1/16W | R534 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W |
| R4A3 | 0790189R | RESISTOR CHIP 47 OHM +-5% 1/16W | R535 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| R4A4 | 0790201R | RESISTOR CHIP 330 OHM +-5% 1/16W | R536 | 0790189R | RESISTOR CHIP 47 OHM +-5% 1/16W |
| R4A5 | 0790201R | RESISTOR CHIP 330 OHM +-5% 1/16W | R537 | 0790189R | RESISTOR CHIP 47 OHM +-5% 1/16W |
| R4A6 | 0790201R | RESISTOR CHIP 330 OHM +-5% 1/16W | R538 | 0790189R | RESISTOR CHIP 47 OHM +-5% 1/16W |
| R4C1 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | R539 | 0790189R | RESISTOR CHIP 47 OHM +-5% 1/16W |
| R4C2 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | R542 | 0790216R | RESISTOR CHIP 4.7K OHM +-5% 1/16W |
| R4C3 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | R546 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R4C4 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | R547 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R4C5 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | R549 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| R4C6 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | R550 | AQ00517R | RESISTOR X4 CHIP 33 OHM +-5% 1/16W |
| R4C9 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | R551 | AQ00517R | RESISTOR X4 CHIP 33 OHM +-5% 1/16W |
| R4E0 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | R554 | 0790187R | RESISTOR CHIP 33 OHM +-5% 1/16W |
| R4E3 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | R555 | 0790187R | RESISTOR CHIP 33 OHM +-5% 1/16W |
| R4E4 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | R558 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| R4F0 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | R559 | 0790187R | RESISTOR CHIP 33 OHM +-5% 1/16W |
| R4F1 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | R562 | 0790187R | RESISTOR CHIP 33 OHM +-5% 1/16W |
| R4F3 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | R564 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |

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| SYMBOL NO. | PART NO. | DESCRIPTION | SYMBOL NO. | PART NO. | DESCRIPTION |
|--|----------|-----------------------------------|---------------|----------|-------------------------------------|
| R565 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RA16 | 0790203R | RESISTOR CHIP 470 OHM +-5% 1/16W |
| R572 | 0790216R | RESISTOR CHIP 4.7K OHM +-5% 1/16W | RA17 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| R601 | AQ00752R | RESISTOR CHIP 75 OHM +-1% 1/32W | RA23 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R602 | AQ00752R | RESISTOR CHIP 75 OHM +-1% 1/32W | RA25 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| R603 | AQ00752R | RESISTOR CHIP 75 OHM +-1% 1/32W | RA26 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| R605 | 0790212R | RESISTOR CHIP 2.2K OHM +-5% 1/16W | RA28 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| R606 | 0790212R | RESISTOR CHIP 2.2K OHM +-5% 1/16W | RA29 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R609 | 0790229R | RESISTOR CHIP 47K OHM +-5% 1/16W | RA30 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R610 | 0790229R | RESISTOR CHIP 47K OHM +-5% 1/16W | RA31 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| R611 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RA32 | AQ01954R | RESISTOR CHIP 5.3 OHM +-5% 1W |
| R612 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RA33 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R613 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RA34 | AQ01938R | RESISTOR CHIP 1.5 OHM +-5% 1W |
| R614 | 0790185R | RESISTOR CHIP 22 OHM +-5% 1/16W | RA35 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W |
| R615 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RA36 | 0790247R | RESISTOR CHIP 1M OHM +-5% 1/16W |
| R616 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RA37 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| R618 | 0790185R | RESISTOR CHIP 22 OHM +-5% 1/16W | RA38 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| R619 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RA46 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| R620 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RA47 | AQ00802R | RESISTOR CHIP 5.6K OHM +-1% 1/32W |
| R622 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RA48 | AQ00828R | RESISTOR CHIP 56K OHM +-1% 1/32W |
| R626 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RA49 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R628 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RA50 | 0790234R | RESISTOR CHIP 100K OHM +-5% 1/16W |
| R629 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RA51 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R633 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RA52 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| R635 | 0790235R | RESISTOR CHIP 120K OHM +-5% 1/16W | RA53 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| R636 | 0790235R | RESISTOR CHIP 120K OHM +-5% 1/16W | RA54 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| R637 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RA56 | 0790225R | RESISTOR CHIP 22K OHM +-5% 1/16W |
| R638 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RA57 | AQ00831R | RESISTOR CHIP 68K OHM +-1% 1/32W |
| R639 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RA58 | 0790234R | RESISTOR CHIP 100K OHM +-5% 1/16W |
| R702 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RA66 | AQ00821R | RESISTOR CHIP 30K OHM +-1% 1/32W |
| R706 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RC01 | 0790197R | RESISTOR CHIP 180 OHM +-5% 1/16W |
| R720 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RC02 | 0790197R | RESISTOR CHIP 180 OHM +-5% 1/16W |
| R723 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RC03 | 0790197R | RESISTOR CHIP 180 OHM +-5% 1/16W |
| R727 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RC04 | 0790197R | RESISTOR CHIP 180 OHM +-5% 1/16W |
| R736 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RC05 | 0790197R | RESISTOR CHIP 180 OHM +-5% 1/16W |
| R740 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RC06 | 0790197R | RESISTOR CHIP 180 OHM +-5% 1/16W |
| R749 | AQ00501R | RESISTOR X4 CHIP 0 OHM +-5% 1/16W | RC07 | 0790233R | RESISTOR CHIP 82K OHM +-5% 1/16W |
| R750 | AQ00001R | RESISTOR,CHIP 0 OHM 1/16W | RC08 | 0790233R | RESISTOR CHIP 82K OHM +-5% 1/16W |
| R757 | AQ00501R | RESISTOR X4 CHIP 0 OHM +-5% 1/16W | RC09 | 0790216R | RESISTOR CHIP 4.7K OHM +-5% 1/16W |
| R758 | AQ00501R | RESISTOR X4 CHIP 0 OHM +-5% 1/16W | RC10 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| R772 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RC11 | 0790189R | RESISTOR CHIP 47 OHM +-5% 1/16W |
| R773 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RC12 | 0790234R | RESISTOR CHIP 100K OHM +-5% 1/16W |
| R776 | 0790217R | RESISTOR CHIP 5.6K OHM +-5% 1/16W | RC13 | 0790189R | RESISTOR CHIP 47 OHM +-5% 1/16W |
| R777 | 0790217R | RESISTOR CHIP 5.6K OHM +-5% 1/16W | RC14 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| R787 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RC15 | 0790231R | RESISTOR CHIP 56K OHM +-5% 1/16W |
| R792 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RC16 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
|  R901 | AT03661M | RESISTOR MG 470K OHM +-5% 1/2W | RC17 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| RA03 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RC24 | AQ00383R | RESISTOR CHIP 82K OHM +-5% 1/16W X4 |
| RA04 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RE17 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| RA05 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RE18 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| RA06 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RE23 | AQ00808R | RESISTOR CHIP 10K OHM +-1% 1/32W |
| RA07 | 0790225R | RESISTOR CHIP 22K OHM +-5% 1/16W | RE24 | AQ00808R | RESISTOR CHIP 10K OHM +-1% 1/32W |
| RA09 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RE25 | 0790001R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| RA11 | 0790225R | RESISTOR CHIP 22K OHM +-5% 1/16W | RE26 | 0790199R | RESISTOR CHIP 270 OHM +-5% 1/16W |
| RA12 | 0790225R | RESISTOR CHIP 22K OHM +-5% 1/16W | RE27 | 0790199R | RESISTOR CHIP 270 OHM +-5% 1/16W |
| RA14 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RE30 | AQ00517R | RESISTOR X4 CHIP 33 OHM +-5% 1/16W |
| RA15 | 0790203R | RESISTOR CHIP 470 OHM +-5% 1/16W | RE31 | AQ00517R | RESISTOR X4 CHIP 33 OHM +-5% 1/16W |

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| SYMBOL NO. | PART NO. | DESCRIPTION | SYMBOL NO. | PART NO. | DESCRIPTION |
|---------------|----------|------------------------------------|---------------|----------|------------------------------------|
| RE32 | AQ00517R | RESISTOR X4 CHIP 33 OHM +-5% 1/16W | REX0 | AQ00001R | RESISTOR,CHIP 0 OHM 1/16W |
| RE33 | AQ00517R | RESISTOR X4 CHIP 33 OHM +-5% 1/16W | REX1 | AQ00001R | RESISTOR,CHIP 0 OHM 1/16W |
| RE34 | AQ00517R | RESISTOR X4 CHIP 33 OHM +-5% 1/16W | REX2 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| RE35 | AQ00517R | RESISTOR X4 CHIP 33 OHM +-5% 1/16W | REX3 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| RE36 | AQ00517R | RESISTOR X4 CHIP 33 OHM +-5% 1/16W | REX4 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| RE37 | AQ00517R | RESISTOR X4 CHIP 33 OHM +-5% 1/16W | REY0 | 0790051R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| RE38 | AQ03297R | RESISTOR CHIP 33 OHM +-5% 1/16W | REY2 | AQ00228R | RESISTOR CHIP 20K OHM +-1% 1/16W |
| RE39 | AQ03297R | RESISTOR CHIP 33 OHM +-5% 1/16W | REY3 | 0790001R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| RE40 | AQ03297R | RESISTOR CHIP 33 OHM +-5% 1/16W | REY4 | AQ00501R | RESISTOR X4 CHIP 0 OHM +-5% 1/16W |
| RE41 | AQ03297R | RESISTOR CHIP 33 OHM +-5% 1/16W | REY5 | AQ00215R | RESISTOR CHIP 6.2K OHM +-1% 1/16W |
| RE42 | AQ01167R | RESISTOR CHIP 33 OHM +-5% 1/16W | REY6 | AQ00207R | RESISTOR CHIP 3.3K OHM +-1% 1/16W |
| RE43 | AQ01167R | RESISTOR CHIP 33 OHM +-5% 1/16W | REY7 | AQ00221R | RESISTOR CHIP 10K OHM +-1% 1/16W |
| RE44 | AQ00517R | RESISTOR X4 CHIP 33 OHM +-5% 1/16W | REZ0 | 0790051R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| RE90 | 0790001R | RESISTOR CHIP 0 OHM +-5% 1/16W | REZ2 | AQ00228R | RESISTOR CHIP 20K OHM +-1% 1/16W |
| REA0 | 0790001R | RESISTOR CHIP 0 OHM +-5% 1/16W | REZ3 | 0790001R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| REA1 | AQ00847R | RESISTOR CHIP 300K OHM +-1% 1/32W | REZ4 | AQ00501R | RESISTOR X4 CHIP 0 OHM +-5% 1/16W |
| REA2 | AQ00805R | RESISTOR CHIP 7.5K OHM +-1% 1/32W | REZ5 | AQ00227R | CHIP RESISTOR 18K OHM +-1% 1/16W |
| REA3 | AQ00847R | RESISTOR CHIP 300K OHM +-1% 1/32W | REZ6 | AQ00218R | CHIP RESISTOR 8.2K OHM +-1% 1/16W |
| REC1 | 0790001R | RESISTOR CHIP 0 OHM +-5% 1/16W | REZ7 | AQ00221R | RESISTOR CHIP 10K OHM +-1% 1/16W |
| REM2 | 0790001R | RESISTOR CHIP 0 OHM +-5% 1/16W | RF01 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| REM3 | 0790001R | RESISTOR CHIP 0 OHM +-5% 1/16W | RF02 | 0790234R | RESISTOR CHIP 100K OHM +-5% 1/16W |
| REN0 | AQ00501R | RESISTOR X4 CHIP 0 OHM +-5% 1/16W | RF03 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| REN1 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RF05 | 0790217R | RESISTOR CHIP 5.6K OHM +-5% 1/16W |
| REN5 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RH01 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| REN6 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RH02 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| REP0 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | RH05 | 0790235R | RESISTOR CHIP 120K OHM +-5% 1/16W |
| REP3 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | RH06 | 0790235R | RESISTOR CHIP 120K OHM +-5% 1/16W |
| REP4 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | RH07 | 0790187R | RESISTOR CHIP 33 OHM +-5% 1/16W |
| REP7 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | RH08 | AQ00517R | RESISTOR X4 CHIP 33 OHM +-5% 1/16W |
| REP9 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | RH09 | AQ00517R | RESISTOR X4 CHIP 33 OHM +-5% 1/16W |
| RER0 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | RH10 | AQ00517R | RESISTOR X4 CHIP 33 OHM +-5% 1/16W |
| RER2 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | RH11 | AQ00517R | RESISTOR X4 CHIP 33 OHM +-5% 1/16W |
| RES1 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | RH12 | AQ00517R | RESISTOR X4 CHIP 33 OHM +-5% 1/16W |
| RES3 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | RH13 | AQ00517R | RESISTOR X4 CHIP 33 OHM +-5% 1/16W |
| RES5 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | RH15 | 0790216R | RESISTOR CHIP 4.7K OHM +-5% 1/16W |
| RES6 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | RH16 | 0790187R | RESISTOR CHIP 33 OHM +-5% 1/16W |
| RES8 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | RH18 | 0790187R | RESISTOR CHIP 33 OHM +-5% 1/16W |
| RET0 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | RH19 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| RET2 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | RH20 | 0790187R | RESISTOR CHIP 33 OHM +-5% 1/16W |
| RET4 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | RH21 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| RET6 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | RH22 | 0790216R | RESISTOR CHIP 4.7K OHM +-5% 1/16W |
| RET9 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | RH23 | 0790247R | RESISTOR CHIP 1M OHM +-5% 1/16W |
| REU4 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | RH24 | 0790187R | RESISTOR CHIP 33 OHM +-5% 1/16W |
| REU5 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | RH26 | AQ00517R | RESISTOR X4 CHIP 33 OHM +-5% 1/16W |
| REU6 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RH28 | AQ00752R | RESISTOR CHIP 75 OHM +-1% 1/32W |
| REU7 | AQ00001R | RESISTOR,CHIP 0 OHM 1/16W | RH29 | AQ00752R | RESISTOR CHIP 75 OHM +-1% 1/32W |
| REU8 | AQ00001R | RESISTOR,CHIP 0 OHM 1/16W | RH30 | AQ00752R | RESISTOR CHIP 75 OHM +-1% 1/32W |
| REU9 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RH31 | 0790187R | RESISTOR CHIP 33 OHM +-5% 1/16W |
| REW0 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RH32 | 0790187R | RESISTOR CHIP 33 OHM +-5% 1/16W |
| REW3 | AQ00001R | RESISTOR,CHIP 0 OHM 1/16W | RH33 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| REW4 | AQ00001R | RESISTOR,CHIP 0 OHM 1/16W | RH34 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| REW5 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RH37 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| REW6 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RH38 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| REW7 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | RH39 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| REW8 | AQ00001R | RESISTOR,CHIP 0 OHM 1/16W | RH41 | 0790243R | RESISTOR CHIP 470K OHM +-5% 1/16W |
| REW9 | AQ00001R | RESISTOR,CHIP 0 OHM 1/16W | RH42 | 0790243R | RESISTOR CHIP 470K OHM +-5% 1/16W |

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| SYMBOL NO. | PART NO. | DESCRIPTION | SYMBOL NO. | PART NO. | DESCRIPTION |
|---------------|----------|-----------------------------------|---------------|----------|-------------------------------------|
| RH45 | 0790229R | RESISTOR CHIP 47K OHM +-5% 1/16W | RHF9 | 0790187R | RESISTOR CHIP 33 OHM +-5% 1/16W |
| RH46 | 0790229R | RESISTOR CHIP 47K OHM +-5% 1/16W | RHG0 | 0790187R | RESISTOR CHIP 33 OHM +-5% 1/16W |
| RH47 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RHG1 | 0790187R | RESISTOR CHIP 33 OHM +-5% 1/16W |
| RH49 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RHG4 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| RH50 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | RK01 | 0700055W | RESISTOR,CF 12K OHM +-5% 1/16W |
| RH52 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RK02 | 0700049W | RESISTOR CF 4.7K OHM +-5% 1/16W |
| RH53 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | RK03 | 0700047W | RESISTOR,CF 3.3K OHM +-5% 1/16W |
| RH54 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | RK04 | 0700044W | RESISTOR CF 1.8K OHM +-5% 1/16W |
| RH55 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | RK05 | 0700042W | RESISTOR,CF 1.2K OHM +-5% 1/16W |
| RH56 | 0790189R | RESISTOR CHIP 47 OHM +-5% 1/16W | RLP1 | AQ00783R | RESISTOR CHIP 1.1K OHM +-1% 1/16W |
| RH57 | 0790189R | RESISTOR CHIP 47 OHM +-5% 1/16W | RLP2 | 0790214R | RESISTOR CHIP 3.2K OHM +-5% 1/16W |
| RH59 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | RLP3 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| RH65 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RLP4 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| RH66 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RLP5 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| RH67 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RLP6 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| RH68 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RM02 | 0790037R | RESISTOR CHIP 1K OHM +-5% 1/16W |
| RH69 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RM03 | 0790024R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| RH70 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RM04 | 0790225R | RESISTOR CHIP 22K OHM +-5% 1/16W |
| RH71 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RM05 | 0790225R | RESISTOR CHIP 22K OHM +-5% 1/16W |
| RH72 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RM06 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| RH74 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RM07 | 0790225R | RESISTOR CHIP 22K OHM +-5% 1/16W |
| RH75 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RM08 | 0790225R | RESISTOR CHIP 22K OHM +-5% 1/16W |
| RH76 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RM09 | 0790225R | RESISTOR CHIP 22K OHM +-5% 1/16W |
| RH77 | 0790243R | RESISTOR CHIP 470K OHM +-5% 1/16W | RM11 | 0790024R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| RH78 | 0790243R | RESISTOR CHIP 470K OHM +-5% 1/16W | RM12 | 0790037R | RESISTOR CHIP 1K OHM +-5% 1/16W |
| RH81 | 0790229R | RESISTOR CHIP 47K OHM +-5% 1/16W | RM16 | 0790024R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| RH82 | 0790229R | RESISTOR CHIP 47K OHM +-5% 1/16W | RM17 | 0790225R | RESISTOR CHIP 22K OHM +-5% 1/16W |
| RH83 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | RM18 | 0790024R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| RH85 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RM19 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| RH86 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | RM20 | 0790024R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| RH87 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | RM21 | 0790024R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| RH88 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | RM33 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| RH89 | 0790189R | RESISTOR CHIP 47 OHM +-5% 1/16W | RM34 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| RH90 | 0790189R | RESISTOR CHIP 47 OHM +-5% 1/16W | RM35 | 0790206R | RESISTOR CHIP 820 OHM +-5% 1/16W |
| RH92 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | RM36 | 0790206R | RESISTOR CHIP 820 OHM +-5% 1/16W |
| RH98 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RM38 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| RH99 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RM39 | AQ00773R | RESISTOR CHIP 470 OHM +-1% 1/16W |
| RHA0 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RM40 | AQ00773R | RESISTOR CHIP 470 OHM +-1% 1/16W |
| RHA1 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RM41 | AQ00524R | RESISTOR X4 CHIP 100 OHM +-5% 1/16W |
| RHA2 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RM42 | AQ00524R | RESISTOR X4 CHIP 100 OHM +-5% 1/16W |
| RHA3 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RM43 | AQ00524R | RESISTOR X4 CHIP 100 OHM +-5% 1/16W |
| RHA4 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RM44 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| RHA5 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RM45 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| RHA7 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RM46 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| RHC3 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | RM48 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| RHC4 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | RM49 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| RHC5 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | RM50 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| RHC6 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | RM51 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| RHC7 | 0790203R | RESISTOR CHIP 470 OHM +-5% 1/16W | RM52 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| RHC8 | 0790203R | RESISTOR CHIP 470 OHM +-5% 1/16W | RM53 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| RHE0 | 0790243R | RESISTOR CHIP 470K OHM +-5% 1/16W | RM54 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| RHE1 | 0790223R | RESISTOR CHIP 15K OHM +-5% 1/16W | RM55 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| RHE2 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | RM56 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| RHE3 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | RM57 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| RHE9 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RM58 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| RHF7 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | RM59 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |

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| SYMBOL NO. | PART NO. | DESCRIPTION | SYMBOL NO. | PART NO. | DESCRIPTION |
|---------------|----------|-----------------------------------|---------------|----------|-------------------------------------|
| RM60 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RR63 | AQ00752R | RESISTOR CHIP 75 OHM +-1% 1/32W |
| RMP1 | 0790212R | RESISTOR CHIP 2.2K OHM +-5% 1/16W | RR64 | AQ00752R | RESISTOR CHIP 75 OHM +-1% 1/32W |
| RMP2 | 0790225R | RESISTOR CHIP 22K OHM +-5% 1/16W | RR65 | AQ00524R | RESISTOR X4 CHIP 100 OHM +-5% 1/16W |
| RMP3 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RR66 | AQ00524R | RESISTOR X4 CHIP 100 OHM +-5% 1/16W |
| RN01 | 0700059 | RESISTOR CF 27K OHM +-5% 1/16W | RR69 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| RN02 | 0700054M | RESISTOR-CF 10K OHM +-5% 1/16W | RR70 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| RN03 | 0100123 | CF 270K OHM +-5% 1/8W | RR71 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| RN04 | 0100123 | CF 270K OHM +-5% 1/8W | RR72 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| RR01 | 0790212R | RESISTOR CHIP 2.2K OHM +-5% 1/16W | RR73 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| RR02 | 0790212R | RESISTOR CHIP 2.2K OHM +-5% 1/16W | RR74 | 0790234R | RESISTOR CHIP 100K OHM +-5% 1/16W |
| RR03 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | RR76 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| RR04 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | RR77 | AQ00752R | RESISTOR CHIP 75 OHM +-1% 1/32W |
| RR05 | 0790233R | RESISTOR CHIP 82K OHM +-5% 1/16W | RR78 | AQ00752R | RESISTOR CHIP 75 OHM +-1% 1/32W |
| RR06 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | RR79 | AQ00752R | RESISTOR CHIP 75 OHM +-1% 1/32W |
| RR08 | 0790243R | RESISTOR CHIP 470K OHM +-5% 1/16W | RR80 | AQ00752R | RESISTOR CHIP 75 OHM +-1% 1/32W |
| RR09 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | RR81 | AQ00752R | RESISTOR CHIP 75 OHM +-1% 1/32W |
| RR10 | 0790198R | RESISTOR CHIP 220 OHM +-5% 1/16W | RR82 | AQ00752R | RESISTOR CHIP 75 OHM +-1% 1/32W |
| RR11 | 0790198R | RESISTOR CHIP 220 OHM +-5% 1/16W | RR83 | AQ00752R | RESISTOR CHIP 75 OHM +-1% 1/32W |
| RR12 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | RR84 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| RR13 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | RR85 | AQ00752R | RESISTOR CHIP 75 OHM +-1% 1/32W |
| RR14 | 0790233R | RESISTOR CHIP 82K OHM +-5% 1/16W | RR86 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W |
| RR15 | 0790243R | RESISTOR CHIP 470K OHM +-5% 1/16W | RR87 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| RR16 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | RR88 | 0790197R | RESISTOR CHIP 180 OHM +-5% 1/16W |
| RR17 | 0790198R | RESISTOR CHIP 220 OHM +-5% 1/16W | RR89 | 0790197R | RESISTOR CHIP 180 OHM +-5% 1/16W |
| RR18 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | RR90 | 0790198R | RESISTOR CHIP 220 OHM +-5% 1/16W |
| RR19 | 0790233R | RESISTOR CHIP 82K OHM +-5% 1/16W | RR91 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| RR20 | 0790212R | RESISTOR CHIP 2.2K OHM +-5% 1/16W | RR92 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W |
| RR21 | 0790212R | RESISTOR CHIP 2.2K OHM +-5% 1/16W | RR93 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| RR22 | 0790212R | RESISTOR CHIP 2.2K OHM +-5% 1/16W | RR94 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| RR23 | 0790212R | RESISTOR CHIP 2.2K OHM +-5% 1/16W | RR95 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| RR24 | 0790212R | RESISTOR CHIP 2.2K OHM +-5% 1/16W | RR96 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W |
| RR25 | 0790212R | RESISTOR CHIP 2.2K OHM +-5% 1/16W | RR97 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| RR26 | 0790212R | RESISTOR CHIP 2.2K OHM +-5% 1/16W | RR98 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| RR29 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RR99 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| RR30 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RT01 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| RR31 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RT02 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W |
| RR36 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RT03 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W |
| RR37 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | RT04 | 0790214R | RESISTOR CHIP 3.2K OHM +-5% 1/16W |
| RR38 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RT05 | 0790214R | RESISTOR CHIP 3.2K OHM +-5% 1/16W |
| RR39 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RT06 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| RR40 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RT07 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| RR41 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RT08 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W |
| RR42 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RT09 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W |
| RR48 | 0790212R | RESISTOR CHIP 2.2K OHM +-5% 1/16W | RT10 | 0790229R | RESISTOR CHIP 47K OHM +-5% 1/16W |
| RR49 | 0790212R | RESISTOR CHIP 2.2K OHM +-5% 1/16W | RT11 | 0790229R | RESISTOR CHIP 47K OHM +-5% 1/16W |
| RR50 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RT12 | 0790229R | RESISTOR CHIP 47K OHM +-5% 1/16W |
| RR51 | 0790203R | RESISTOR CHIP 470 OHM +-5% 1/16W | RT13 | 0790229R | RESISTOR CHIP 47K OHM +-5% 1/16W |
| RR52 | 0790203R | RESISTOR CHIP 470 OHM +-5% 1/16W | RT14 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| RR53 | 0790203R | RESISTOR CHIP 470 OHM +-5% 1/16W | RT15 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| RR54 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RT16 | 0790214R | RESISTOR CHIP 3.2K OHM +-5% 1/16W |
| RR55 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RT19 | AQ00779R | RESISTOR CHIP 820 OHM +-1% 1/16W |
| RR56 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RT20 | AQ00779R | RESISTOR CHIP 820 OHM +-1% 1/16W |
| RR57 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RT21 | 0790214R | RESISTOR CHIP 3.2K OHM +-5% 1/16W |
| RR59 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RT27 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W |
| RR61 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RT28 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W |
| RR62 | AQ00752R | RESISTOR CHIP 75 OHM +-1% 1/32W | RT31 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |


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| SYMBOL NO. | PART NO. | DESCRIPTION | SYMBOL NO. | PART NO. | DESCRIPTION |
|---------------|----------|-----------------------------------|---------------|----------|-----------------------------------|
| RT32 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RY10 | 0790239R | RESISTOR CHIP 270K OHM +-5% 1/16W |
| RT33 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RY11 | AQ00752R | RESISTOR CHIP 75 OHM +-1% 1/32W |
| RT40 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | RY12 | AQ00752R | RESISTOR CHIP 75 OHM +-1% 1/32W |
| RT41 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RY13 | AQ00752R | RESISTOR CHIP 75 OHM +-1% 1/32W |
| RT42 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | RY14 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| RT43 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RY15 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| RT46 | 0790229R | RESISTOR CHIP 47K OHM +-5% 1/16W | RY16 | 0790239R | RESISTOR CHIP 270K OHM +-5% 1/16W |
| RT47 | 0790229R | RESISTOR CHIP 47K OHM +-5% 1/16W | RY17 | 0790239R | RESISTOR CHIP 270K OHM +-5% 1/16W |
| RT48 | 0790229R | RESISTOR CHIP 47K OHM +-5% 1/16W | RY18 | AQ00752R | RESISTOR CHIP 75 OHM +-1% 1/32W |
| RT49 | 0790229R | RESISTOR CHIP 47K OHM +-5% 1/16W | RY19 | AQ00752R | RESISTOR CHIP 75 OHM +-1% 1/32W |
| RT50 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RY20 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| RT51 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RY21 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| RT56 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RY22 | 0790239R | RESISTOR CHIP 270K OHM +-5% 1/16W |
| RT57 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | RY23 | 0790239R | RESISTOR CHIP 270K OHM +-5% 1/16W |
| RT59 | 0790214R | RESISTOR CHIP 3.2K OHM +-5% 1/16W | RY24 | AQ00752R | RESISTOR CHIP 75 OHM +-1% 1/32W |
| RT61 | 0790203R | RESISTOR CHIP 470 OHM +-5% 1/16W | RY25 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| RT62 | 0790203R | RESISTOR CHIP 470 OHM +-5% 1/16W | RY26 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| RT63 | 0790233R | RESISTOR CHIP 82K OHM +-5% 1/16W | RY27 | 0790239R | RESISTOR CHIP 270K OHM +-5% 1/16W |
| RT64 | 0790222R | RESISTOR CHIP 12K OHM +-5% 1/16W | RY28 | 0790239R | RESISTOR CHIP 270K OHM +-5% 1/16W |
| RT65 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RY29 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| RT66 | 0790209R | RESISTOR CHIP 1.5K OHM +-5% 1/16W | RY30 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| RT67 | 0790196R | RESISTOR CHIP 150 OHM +-5% 1/16W | RY31 | AQ00752R | RESISTOR CHIP 75 OHM +-1% 1/32W |
| RT68 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | RY32 | 0790234R | RESISTOR CHIP 100K OHM +-5% 1/16W |
| RT69 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RY33 | 0790234R | RESISTOR CHIP 100K OHM +-5% 1/16W |
| RT70 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RY34 | 0790234R | RESISTOR CHIP 100K OHM +-5% 1/16W |
| RT71 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | RY35 | 0790239R | RESISTOR CHIP 270K OHM +-5% 1/16W |
| RT72 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | RY36 | 0790227R | RESISTOR CHIP 33K OHM +-5% 1/16W |
| RT73 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RY37 | 0790232R | RESISTOR CHIP 68K OHM +-5% 1/16W |
| RT74 | 0790208R | RESISTOR CHIP 1.2K OHM +-5% 1/16W | RY38 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| RT75 | 0790229R | RESISTOR CHIP 47K OHM +-5% 1/16W | RY39 | 0790208R | RESISTOR CHIP 1.2K OHM +-5% 1/16W |
| RT76 | 0790229R | RESISTOR CHIP 47K OHM +-5% 1/16W | RY40 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W |
| RT77 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RY41 | 0790234R | RESISTOR CHIP 100K OHM +-5% 1/16W |
| RT78 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RY42 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W |
| RT79 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RY43 | 0790243R | RESISTOR CHIP 470K OHM +-5% 1/16W |
| RT81 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | RY44 | 0790227R | RESISTOR CHIP 33K OHM +-5% 1/16W |
| RT82 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RY45 | 0790232R | RESISTOR CHIP 68K OHM +-5% 1/16W |
| RT83 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RY46 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| RT86 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | RY47 | 0790208R | RESISTOR CHIP 1.2K OHM +-5% 1/16W |
| RT89 | 0790234R | RESISTOR CHIP 100K OHM +-5% 1/16W | RY48 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W |
| RT91 | 0790234R | RESISTOR CHIP 100K OHM +-5% 1/16W | RY49 | 0790234R | RESISTOR CHIP 100K OHM +-5% 1/16W |
| RT93 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RY50 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W |
| RT94 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RY51 | 0790243R | RESISTOR CHIP 470K OHM +-5% 1/16W |
| RT95 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RY54 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W |
| RT96 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RY55 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| RT97 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W | RY56 | 0790212R | RESISTOR CHIP 2.2K OHM +-5% 1/16W |
| RT98 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RY57 | 0790212R | RESISTOR CHIP 2.2K OHM +-5% 1/16W |
| RT99 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RY58 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W |
| RY01 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RY59 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W |
| RY02 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RY61 | 0790221R | RESISTOR CHIP 10K OHM +-5% 1/16W |
| RY03 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | RY62 | 0790229R | RESISTOR CHIP 47K OHM +-5% 1/16W |
| RY04 | AQ00752R | RESISTOR CHIP 75 OHM +-1% 1/32W | RY65 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| RY05 | AQ00752R | RESISTOR CHIP 75 OHM +-1% 1/32W | RY66 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| RY06 | AQ00752R | RESISTOR CHIP 75 OHM +-1% 1/32W | RY67 | AQ00421R | RESISTOR CHIP 0 OHM +-5% 1/16W |
| RY07 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RY68 | 0790233R | RESISTOR CHIP 82K OHM +-5% 1/16W |
| RY08 | 0790171R | RESISTOR CHIP 0 OHM +-5% 1/16W | RY69 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W |
| RY09 | 0790239R | RESISTOR CHIP 270K OHM +-5% 1/16W | RY70 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W |

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| SYMBOL NO. | PART NO. | DESCRIPTION | SYMBOL NO. | PART NO. | DESCRIPTION |
|--|----------|------------------------------------|---------------|----------|-------------------------------|
| RY71 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | X607 | BK00193R | CERAMIC FILTER 100MHZ |
| RY72 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | X608 | BK00282R | NOISE FILTER CHIP 35PF |
| RY73 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | X609 | BE00391R | SMD LC FILTER, CHIP (4 R) |
| RY74 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | X610 | BK00282R | NOISE FILTER CHIP 35PF |
| RY75 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | X611 | BK00282R | NOISE FILTER CHIP 35PF |
| RY76 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | X612 | BK00282R | NOISE FILTER CHIP 35PF |
| RY77 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | XA01 | BK00193R | CERAMIC FILTER 100MHZ |
| RY78 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | XA02 | BK00193R | CERAMIC FILTER 100MHZ |
| RY79 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | XA03 | BE00412R | LC FILTER CHIP |
| RY80 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | XA04 | BE00412R | LC FILTER CHIP |
| RY81 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | XE90 | BK10324R | CHIP SOLID EMIFIL 1000000PF |
| RY82 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | XEX0 | BK10324R | CHIP SOLID EMIFIL 1000000PF |
| RY83 | 0790212R | RESISTOR CHIP 2.2K OHM +-5% 1/16W | XEY0 | BK10324R | CHIP SOLID EMIFIL 1000000PF |
| RY84 | 0790212R | RESISTOR CHIP 2.2K OHM +-5% 1/16W | XEZ0 | BK10324R | CHIP SOLID EMIFIL 1000000PF |
| RY85 | 0790212R | RESISTOR CHIP 2.2K OHM +-5% 1/16W | XH01 | BL01502R | CRYSTAL OSCILLATOR 27.0MHZ |
| RY86 | 0790212R | RESISTOR CHIP 2.2K OHM +-5% 1/16W | XM01 | BK00264R | NOISE FILTER CHIP 22PF |
| RY87 | 0790212R | RESISTOR CHIP 2.2K OHM +-5% 1/16W | XM02 | BK00264R | NOISE FILTER CHIP 22PF |
| RY88 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | XM03 | BK00264R | NOISE FILTER CHIP 22PF |
| RY89 | 0790194R | RESISTOR CHIP 100 OHM +-5% 1/16W | XM04 | BK00264R | NOISE FILTER CHIP 22PF |
| RY90 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | XM05 | BK00264R | NOISE FILTER CHIP 22PF |
| RY91 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | XM06 | BK00264R | NOISE FILTER CHIP 22PF |
| RY92 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | XM07 | BK00264R | NOISE FILTER CHIP 22PF |
| RY93 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | XM08 | BK00264R | NOISE FILTER CHIP 22PF |
| RY94 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | XM09 | BE00391R | SMD LC FILTER, CHIP (4 R) |
| RY95 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | XM10 | BE00391R | SMD LC FILTER, CHIP (4 R) |
| RY96 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | XM11 | BK00191R | CERAMIC FILTER CHIP |
| RY97 | 0790207R | RESISTOR CHIP 1K OHM +-5% 1/16W | XM12 | BK00191R | CERAMIC FILTER CHIP |
| RY98 | 0790198R | RESISTOR CHIP 220 OHM +-5% 1/16W | XMP1 | BE00412R | LC FILTER CHIP |
|  S901 | FG00251 | POWER SWITCH | XMP2 | BE00391R | SMD LC FILTER, CHIP (4 R) |
| SK01 | FE00551R | TACT SWITCH | XMP6 | BE00412R | LC FILTER CHIP |
| SK02 | FE00551R | TACT SWITCH | XT01 | BJ00691 | HIGH PASS FILTER 4.5MHZ TCV2 |
| SK03 | FE00551R | TACT SWITCH | XT02 | BL00171R | CRYSTAL OSCILLATOR 18.432MHZ |
| SK04 | FE00551R | TACT SWITCH | XT08 | BK10324R | CHIP SOLID EMIFIL 1000000PF |
| SK05 | FE00551R | TACT SWITCH | XT09 | BK10324R | CHIP SOLID EMIFIL 1000000PF |
| SK06 | FE00551R | TACT SWITCH | XT10 | BK10324R | CHIP SOLID EMIFIL 1000000PF |
| SK07 | FE00551R | TACT SWITCH | XT11 | BK00199R | EMIFIL CHIP 240PF +-20% 20MHZ |
| SPBL | GM01723 | SPEAKER BOTTOM LEFT | XT12 | BK00199R | EMIFIL CHIP 240PF +-20% 20MHZ |
| SPBR | GM01724 | SPEAKER BOTTOM RIGHT | XT13 | BK00199R | EMIFIL CHIP 240PF +-20% 20MHZ |
| SPL | GM01713 | SPEAKER SIDE LEFT | XT14 | BK00199R | EMIFIL CHIP 240PF +-20% 20MHZ |
| SPR | GM01714 | SPEAKER SIDE RIGHT | XT15 | BK10324R | CHIP SOLID EMIFIL 1000000PF |
| U001 | HL02341 | REMOTE CONTROL TRANSMITTER CLE-979 | XT16 | BK10324R | CHIP SOLID EMIFIL 1000000PF |
| U1 | HA01811 | POWER UNIT MPF7437 | XT17 | BK10324R | CHIP SOLID EMIFIL 1000000PF |
| U2 | CS01001 | BRIDEG MEDIA UNIT HCM031 ASS'Y | XT18 | BK10324R | CHIP SOLID EMIFIL 1000000PF |
| USB | EW08453 | USB CABLE L=670 | XY01 | BK00193R | CERAMIC FILTER 100MHZ |
| UT01 | HC00653 | TUNER(ENGF9307GF) | XY02 | BK00193R | CERAMIC FILTER 100MHZ |
| UT02 | HC00664 | TUNER ENG39A23GF | XY03 | BK00193R | CERAMIC FILTER 100MHZ |
| X001 | BL01454R | CRYSTAL OSCILLATOR 16.0MHZ | XY04 | BK00193R | CERAMIC FILTER 100MHZ |
| X003 | BK00191R | CERAMIC FILTER CHIP | XY05 | BK00193R | CERAMIC FILTER 100MHZ |
| X3X0 | BL01671R | CRYSTAL OSCILLATOR 19.6608MHZ | XY06 | BK00193R | CERAMIC FILTER 100MHZ |
| X500 | BL01611R | CRYSTAL OSCILLATOR 24.576MHZ | XY07 | BK00191R | CERAMIC FILTER CHIP |
| X601 | BK00264R | NOISE FILTER CHIP 22PF | XY08 | BK00191R | CERAMIC FILTER CHIP |
| X602 | BK00264R | NOISE FILTER CHIP 22PF | XY09 | BK00191R | CERAMIC FILTER CHIP |
| X603 | BK00264R | NOISE FILTER CHIP 22PF | XY11 | BK00191R | CERAMIC FILTER CHIP |
| X604 | BK00193R | CERAMIC FILTER 100MHZ | XY12 | BK00191R | CERAMIC FILTER CHIP |
| X605 | BK00193R | CERAMIC FILTER 100MHZ | XY13 | BK00191R | CERAMIC FILTER CHIP |
| X606 | BK00193R | CERAMIC FILTER 100MHZ | XY14 | BK00191R | CERAMIC FILTER CHIP |

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| SYMBOL NO. | PART NO. | DESCRIPTION | SYMBOL NO. | PART NO. | DESCRIPTION |
|---------------|----------------------|--|---------------|----------|-------------|
| XY15 XY16 | BK00191R BK00191R | CERAMIC FILTER CHIP CERAMIC FILTER CHIP | | | |

HITACHI

42PD9800TA

YK No.034E